



U.S. Department  
of Transportation

**National Highway  
Traffic Safety  
Administration**

400 Seventh Street, S.W.  
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

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AUTO SAFETY HOTLINE  
(800) 424-9393  
Wash. D.C. Area 366-0123

194-00

Case Vehicle (A): 1998 Toyota  
Type: Camry LE, 4-door sedan  
Driver: 37-year-old female  
CDC: 11-FDEW-1, 03-RYEW-2

Vehicle (B): 1988 Lincoln  
Type: Town Car, 4-door sedan  
Driver: 23-year-old female  
CDC: 99-0000-0

Vehicle (C): 1989 Ford  
Type: Thunderbird LX, 2-door sedan  
Driver: 33-year-old female  
CDC: 99-0000-0

## **SITUATION**

(Slides 1, 2) On a clear, dry day, case vehicle (A) was traveling north at a driver-estimated speed of 35 mph (56 kph) in the center lane of a three-lane, one-way asphalt road, and was approaching an intersection. Vehicle (B) was traveling east at an unknown speed in the through lane of the intersecting three-lane road. As case vehicle (A) began to enter the intersection, the driver of vehicle (B) proceeded into the intersection. The driver of case vehicle (A) braked and steered to the right, but was unable to avoid striking vehicle (B) in the right side with its front. After the impact, case vehicle (A) rotated clockwise and crossed the lane line into the right northbound lane. Vehicle (C), that was traveling in the right northbound lane, was unable to avoid striking the right side of case vehicle (A) with its front.

## **GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES**

(Slides 3, 4) The direct damage to case vehicle (A) from the frontal impact began at the left-front bumper corner and extended 162-cm across the entire front bumper. The maximum crush was 24 cm to the center portion of the front bumper. The direct damage from the right-side impact began at the right-front wheel and extended 106-cm rearward along the fender and right-front door panel. The maximum crush was 7 cm to the right-front door.

Using the WinSMASH accident-reconstruction program and c-values measured for (slides 5, 6, 7, 8, 9 and 10) case vehicle (A), the following impact severity was calculated for the frontal impact:



Vehicle	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case Vehicle (A)	EBS	24 (15)	-23 (-14)	6 (4)

## **DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)**

### **Exterior**

(Slides 11, 12) The front bumper was crushed and the cover was separated from the vehicle.

(Slides 13, 14) The grille was damaged, both headlights were partially detached, and the left-turn indicator light was broken. (Slide 15) The hood was crushed, the damaged hood latch was jammed, and both hood hinges were deformed, but not separated. (Slide 16) The rear edge of the hood was elevated, but it did not contact the windshield. There was a small crack in the lower-center portion of the windshield due to deformation of the windshield cowl. (Slides 17, 18 and 19) On the left side, the fender was damaged and the left-rear tire was flat. (Slide 20) There was no other damage to the left side, both doors were operational, and there was no change in the left wheelbase.

(Slide 21) On the right side, the fender and front door were damaged from the second impact.

(Slides 22, 23) The damage extended across the lower portion of the fender just behind the wheel and into the front door panel. (Slide 24) There was no other damage to the right side, both doors were operational, and there was no change in the right wheelbase.

(Slide 25) There was no damage to the rear of case vehicle (A).

### **Interior**

(Slides 26, 27) This vehicle is equipped with steering-wheel and passenger frontal-impact airbags, which deployed during the frontal impact. (Slides 28) There were black marks, possibly cosmetics, on the steering-wheel airbag, indicating driver facial contact. (Slides 29, 30) There was no damage to the steering-wheel rim and no rotation of the steering column. (Slides 31, 32 and 33) There was no damage to, and no contact marks on, the windshield, header, or roof area. (Slide 34) There was no damage to the upper or mid portions of the instrument panel. (Slide 35) There was a scuff mark on the knee bolster that indicates contact by the driver, but there was no damage to the panel. (Slides 36, 37) There was no damage to the center dash area, center

console, or glove compartment. There was no other interior damage and no intrusions were noted.

## **OCCUPANT KINEMATICS AND INJURIES**

(Slide 38) The 5-ft, 5-in, 150-lb, 37-year-old female driver was wearing the three-point belt and the airbag deployed. The front seatbelts of this vehicle are equipped with pretensioners that were triggered by the impact. (Slides 39, 40) The driver's seatbelt was locked in an extended position, indicating belt use at the time of the crash and firing of the pretensioner. Also, there were marks on the shoulder-belt webbing from the D-ring indicating belt use. The driver reportedly had the seat adjusted to a mid-to-forward seat-track position, the steering-wheel tilt adjuster in the lowest position. She reportedly had both hands on the steering wheel, and braked and steered to the right just prior to the crash.

During the frontal impact, she continued forward and slightly to the left relative to the vehicle interior, into the airbag and seatbelt. She sustained cervical neck strain, probably due to impact forces. (Slides 41, 42) She sustained an abrasion to her right cheek from contact by the deploying airbag. She sustained abrasions to the anterior portions of both forearms, from contact by the deploying airbag. She sustained contusions across her left knuckles, possibly from the airbag flinging her hand into the instrument panel or other interior object. In addition, she sustained contusions across her left shoulder and left breast from loading by the shoulder-belt webbing. (Slides 43, 44) She sustained abrasions and a 20-cm contusion to the medial aspect of her left leg just above the knee, from contact with the knee bolster, as indicated by scuff marks on the bolster cover. She also sustained a contusion to her left lateral thigh, possibly from contact with the side-door panel.

(Slide 45) The 5-ft 6-in, 190-lb, 51-year-old, right-front female passenger was wearing the available three-point belt and the airbag deployed. (Slides 46, 47) Marks on the shoulder-belt webbing from the D-ring indicate belt use at the time of the crash. The passenger's seatbelt was locked in an extended position, indicating firing of the pretensioner. The passenger reportedly had the seat adjusted to a rear seat-track position and the seatback slightly reclined. She was wearing eyeglasses, which came off during the crash but were undamaged.

During the frontal impact, the passenger continued forward and slightly to the left relative to the vehicle interior, into the airbag and seatbelt. She sustained contusions across her right shoulder, from loading by the shoulder belt webbing. In addition, she sustained a 3-cm contusion to her left hip, from contact with the buckle assembly. She also complained of neck pain, but medical records indicate she did not sustain cervical neck strain.

The following tables and attached drawings (slides 48, 49) summarize the injuries for the two restrained occupants.

Occupant: Driver  
 Restraints: 3-point belt worn; airbag deployed

Age: 37 years  
 Stature: 165 cm (5 ft, 5 in)

Gender: Female  
 Mass: 68 kg (150 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Cervical strain	1		Impact force	
Abrasion, right cheek	1	Airbag		
Contusions, across left shoulder	1	Shoulder belt webbing		
Contusions, across left breast	1	Shoulder belt webbing		
Abrasions, left anterior forearm	1	Airbag		
Abrasions, right anterior forearm	1	Airbag		
Contusions, across left knuckles	1			Instrument panel, airbag fling into unknown interior object
20-cm contusion, left medial leg just above the knee	1		Knee bolster	
Abrasions, left medial leg just above the knee	1		Knee bolster	
Contusion, left lateral thigh	1			Side door panel
<u>Maximum A.I.S. Level</u>	<u>1</u>			
<u>Injury Severity Score</u>	<u>2</u>			

Occupant: Right front  
Restraints: 3-point belt worn; airbag deployed

Age: 51 years  
Stature: 168 cm (5 ft, 6 in)

Gender: Female  
Mass: 86 kg (190 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Contusions, across right shoulder	1	Shoulder belt webbing		
3-cm contusion, left hip	1		Buckle assembly	
<u>Maximum A.I.S. Level</u>	1			
<u>Injury Severity Score</u>	1			

Duplicate columns 1-8  
from the previous card.

Module G 1 Format 0 2  
9 10 11 12

## GENERAL INFORMATION GI-1

### TIME

#### DATE OF COLLISION

      /       /            

#### HOUR OF COLLISION (24 HOUR CLOCK)

### LOCATION

STATE:                     

STATE FIPS CODE

AREA

- (1) URBAN  
(2) RURAL  
(9) UNKNOWN

### ENVIRONMENTAL CONDITIONS

#### LIMITED-ACCESS HIGHWAY

- (0) NO  
(1) YES  
(9) UNKNOWN

#### ROAD, TOTAL TRAFFIC LANES (FOR CASE VEHICLE)

- (1) 1-LANE  
(2) 2-LANES  
(3) 3-LANES  
(4) 4 OR MORE LANES  
(5) DIVIDED, 4 OR MORE LANES  
(6) PARKING LOT/DRIVEWAY  
(7) OTHER:                       
(9) UNKNOWN

#### INTERSECTING RD, TOTAL LANES CHOOSE FROM ABOVE LIST, OR

- (8) NOT APPLICABLE

#### TYPE OF ROAD SURFACE

- (1) ASPHALT  
(2) CONCRETE  
(3) GRAVEL  
(4) MORE THAN ONE (CIRCLE EACH)  
(7) OTHER:                       
(9) UNKNOWN

#### ROAD DEFECTS

- (0) NO  
(1) YES  
(9) UNKNOWN

### ENVIRONMENTAL CONDITIONS

#### CONSTRUCTION ZONE

- (0) NO  
(1) YES  
(9) UNKNOWN

#### ROAD ALIGNMENT VERTICAL PLANE

- (1) LEVEL  
(2) CREST OF HILL  
(3) SLOPE (2%)  
(4) BOTTOM OF HILL  
(9) UNKNOWN

#### ROAD ALIGNMENT HORIZONTAL PLANE

- (1) STRAIGHT  
(2) CURVE  
(3) T - SHAPED  
(4) Y - SHAPED  
(7) OTHER:                       
(9) UNKNOWN

#### SURFACE COVERING

- (10) DRY  
  
(21) WATER - DAMP  
(22) WATER - WET  
(23) WATER - PUDDLED  
(29) WATER - AMOUNT UNKNOWN  
  
(31) SNOW - LOOSE  
(32) SNOW - PACKED  
(39) SNOW - CONDITION UNKNOWN  
  
(41) ICE  
(51) SLUSH  
(61) SPILLED GRAVEL  
(71) OTHER:                       
(99) UNKNOWN

#### VISIBILITY LIMITATION (FOR CASE VEHICLE)

- (0) NONE  
(1) CLOUDY/DARK  
(2) FOG  
(3) SMOKE  
(4) WINDSHIELD CONDITION  
(5) GLARE  
(6) RAIN  
(7) OTHER:                       
(8) ICE/SNOW  
(9) UNKNOWN

#### VISIBILITY OBSTRUCTION (FOR CASE VEHICLE)

- (0) NONE  
(1) BUILDING  
(2) SIGN  
(3) VEGETATION (E.G. BUSHES, SHRUBS)  
(4) TREE  
(5) HILL OR CURVE IN ROAD  
(6) VEHICLE IN TRANSPORT  
(7) OTHER:                       
(8) PARKED VEHICLE  
(9) UNKNOWN

## GENERAL INFORMATION GI-2

## ENVIRONMENTAL CONDITIONS

## SPEED LIMIT

- (0) 5-45 km/h ..... 5-25 mph  
 (1) 46-55 ..... 30  
 (2) 56-60 ..... 35  
 (3) 61-70 ..... 40  
 (4) 71-79 ..... 45  
 (5) 80-85 ..... 50  
 (6) 86-90 ..... 55  
 (7) 91-105 ..... 60  
 (8) OVER 105 ..... 65  
 (9) UNKNOWN

25 mi  
40 km/h

0  
40

## PRECIPITATION

- (0) NONE  
 (1) RAIN  
 (2) SNOW  
 (3) HAIL  
 (4) FREEZING RAIN/SLEET  
 (7) OTHER: \_\_\_\_\_  
 (9) UNKNOWN

0  
41

## RATE OF PRECIPITATION

- (1) LIGHT/MIST  
 (2) MODERATE  
 (3) HEAVY  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

8  
42

## TEMPERATURE

- (0) BELOW -15° C ..... BELOW 5° F  
 (1) -15 TO -6 ..... 5 TO 22  
 (2) -5 TO -1 ..... 23 TO 31  
 (3) 0 TO 2 ..... 32 TO 36  
 (4) 3 TO 5 ..... 37 TO 41  
 (5) 6 TO 15 ..... 42 TO 59  
 (6) 16 TO 25 ..... 60 TO 77  
 (7) 26 TO 35 ..... 78 TO 95  
 (8) OVER 35 ..... OVER 96  
 (9) UNKNOWN

9  
43

## CROSSWIND

- (0) NONE  
 (1) LIGHT  
 (2) STRONG  
 (3) GUSTY & STRONG  
 (9) UNKNOWN

9  
44

## LIGHT CONDITIONS

- (1) DAYLIGHT  
 (2) DAWN  
 (3) DUSK  
 (4) DARK, LIGHTED  
 (5) DARK, UNLIGHTED  
 (6) DARK, UNKNOWN IF LIGHTED  
 (9) UNKNOWN

1  
45

## MECHANICAL MALFUNCTION

WAS THERE MENTION  
OF A MECHANICAL MALFUNCTION  
IN CASE VEHICLE

- (0) NO  
 (1) YES  
 (2) YES, DID NOT CONTRIBUTE  
TO ACCIDENT  
 (9) UNKNOWN

0  
46

THE FOLLOWING SECTION SHOULD BE FILLED  
OUT IF A MECHANICAL MALFUNCTION IS  
RECOGNIZED OR SUSPECTED.

CIRCLE ITEMS INVOLVED. SUPPORT ANY  
ITEMS CIRCLED WITH COMMENTS.

BRAKE SYSTEM DRIVER CONTROLS  
 EXHAUST SYSTEM POWER TRAIN  
 STEERING SYSTEM FUEL SYSTEM  
 SUSPENSION SYSTEM VISIBILITY ITEMS  
 ELECTRICAL SYSTEM TIRES  
 THROTTLE CONTROLS UNKNOWN

OTHER: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

## GENERAL INFORMATION GI-3

## CRASH DETAILS

## CASE VEHICLE AND OBJECT

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
47

## CASE VEHICLE ROLLOVER

- (0) NO ROLLOVER  
(1) YES, FIRST EVENT  
(2) YES, SUBSEQUENT EVENT  
(3) YES, SEQUENCE UNKNOWN  
(9) UNKNOWN

0  
48

CASE VEHICLE RAN OFF ROADWAY  
(BEFORE FIRST IMPACT)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
49

MOVING CASE VEHICLE AND  
CONTACTED MOVING VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

1  
50

CASE VEHICLE AND  
CONTACTED STOPPED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
51

STOPPED CASE VEHICLE AND  
CONTACTED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
52

TOTAL NUMBER  
OF VEHICLES CONTACTED  
BY CASE VEHICLE IN CRASH

- (8) 8 OR MORE  
(9) UNKNOWN

2  
53

ANY FIRE IN THIS CRASH  
(NOT JUST CASE VEHICLE)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
54

HIGHEST POLICE INJURY  
SEVERITY CODE IN CRASH  
(NOT JUST CASE VEHICLE)

- (0) O - NO INJURY  
(1) C - POSSIBLE INJURY  
(2) B - NON-INCAPACITATING INJURY  
(3) A - INCAPACITATING INJURY  
(4) K - FATAL  
(5) INJURED, SEVERITY UNKNOWN  
(6) DIED PRIOR TO ACCIDENT  
(7) NON-FATAL INJURY  
SEVERITY UNKNOWN  
(9) UNKNOWN

3  
55

## DRIVER IMPAIRMENT

DRIVER ALCOHOL INVOLVEMENT  
(CASE VEHICLE)

- (0) NONE  
(1) YES  
(9) UNKNOWN/NOT REPORTED/  
NO DRIVER

0  
56

DRIVER ALCOHOL BAC  
(CASE VEHICLE)

- (80) NO TEST  
(90) CHEMICAL TESTS, NO RESULTS  
(95) AUTOPSY, NO RESULTS  
(99) UNKNOWN

80  
57 58

WAS THERE MENTION OF DRIVER  
IMPAIRMENT FOR CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
59

## LIST IMPAIRMENTS MENTIONED:

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## POST - CRASH DETAIL

MANNER CASE VEHICLE  
LEFT SCENE

- (1) DRIVEN  
(2) TOWED DUE TO DAMAGE  
(3) TOWED, NOT DUE TO DAMAGE  
(4) TOWED, REASON UNKNOWN  
(9) UNKNOWN

2  
60

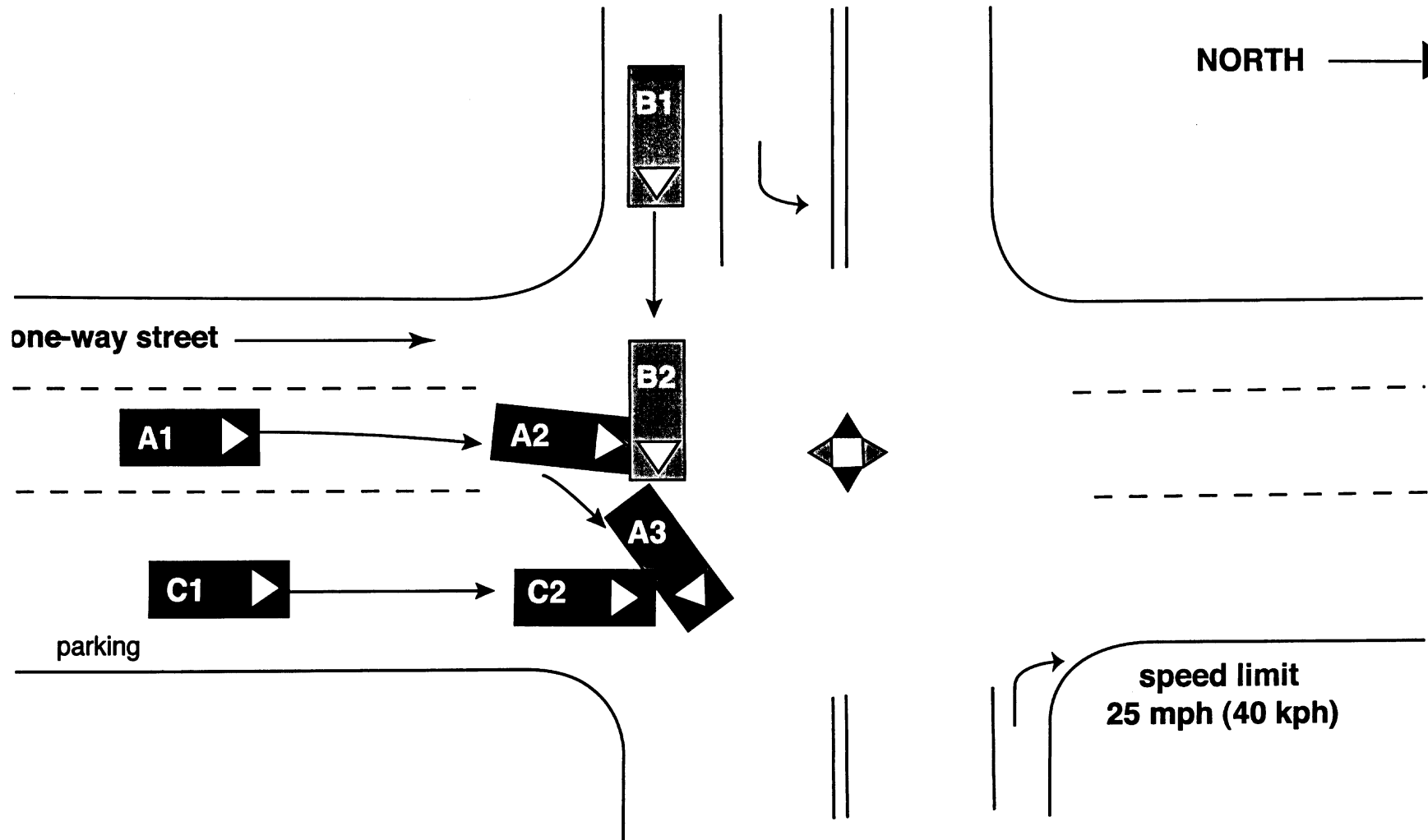


# ACCIDENT SCHEMATIC

ACCIDENT DESCRIPTION: CASE VEHICLE (A) WAS TRAVELING CASE VEHICLE (A): 1998 TOYOTA CAMRY Q  
NORTH AT A DRIVER-ESTIMATED SPEED OF 35 MPH (56 KPH) OTHER VEHICLE (B): 1988 LINCOLN TOWN CAR A  
IN THE CENTER LANE. VEHICLE (B) WAS TRAVELING EAST THIRD VEHICLE (C): 1989 FORD THUNDERBIRD  
AND WAS APPROACHING THE INTERSECTING ROAD. AS CASE VEHICLE (A) ENTERED THE  
INTERSECTION, IT STRUCK THE RIGHT SIDE OF VEHICLE (B). AFTER THE IMPACT, CASE  
VEHICLE (A) ROTATED CLOCKWISE AND WAS STRUCK IN THE RIGHT SIDE BY VEHICLE  
(C), WHICH WAS NORTHBOUND IN THE RIGHT LANE.



NORTH



Duplicate columns 1-8  
from the previous card.Module 0 9 V 10 Format 0 4  
11 12

OTHER VEHICLE OV-1

MAKE: LINCOLNCARGO: UNKNOWNMODEL: TOWN CAR SIGNATURE 4-DR. SEDAN

VIN

1 L N B M 8 2 F 8 J Y 0 0 0 0 0  
13 29

MANUFAC/BODY CODE

1 2 2 0 2  
30 34

MAKE/MODEL CODE

1 3 4 0  
38

MODEL YEAR

1 9 8 8  
39 42

VEHICLE MASS (kg)

0 0 1 8 3 8  
43 48IF SEPARATE REPORT WAS MADE,  
GIVE VEHICLE NUMBER0NUMBER OF OCCUPANTS  
(ENTER 9'S IF UNKNOWN)0 1  
51

TRAVELING SPEED (km/h)

9 9 9  
54

- (000) PARKED OR STOPPED  
 (995) JUST STARTING UP  
 (996) BACKING UP  
 (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)  
 (998) SPEED EXCESSIVE (BUT UNKNOWN)  
 (999) UNKNOWN

HIGHEST POLICE INJURY SEVERITY  
CODE FOR THIS VEHICLE

- (0) O - NO INJURY  
 (1) C - POSSIBLE INJURY  
 (2) B - NON-INCAPACITATING INJURY  
 (3) A - INCAPACITATING INJURY  
 (4) K - FATAL  
 (5) INJURED, SEVERITY UNKNOWN  
 (6) DIED PRIOR TO ACCIDENT  
 (7) NON-FATAL INJURY  
 SEVERITY UNKNOWN  
 (8) UNOCCUPIED VEHICLE  
 (NOT APPLICABLE)  
 (9) UNKNOWN

0  
55

## VEHICLE TYPE

## PASSENGER VEHICLE

- (02) LARGE  
 (03) LIMOUSINE  
 (17) PICKUP CAR  
 (20) UNKNOWN PASSENGER VEHICLE BODY  
 (24) SUB-MINI  
 (25) MINI  
 (26) SUB-COMPACT  
 (27) COMPACT  
 (28) INTERMEDIATE  
 (29) FULL

2 9  
56 57

## MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)  
 (15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)  
 (16) PICKUP TRUCK WITH CANOPY/SHELL COVER  
 (17) PICKUP CAR WITH CANOPY/SHELL COVER  
 (21) MOTOR HOME  
 (22) PICKUP TRUCK WITH SLIDE-IN CAMPER  
 (23) PICKUP CAR WITH SLIDE-IN CAMPER  
 (31) CHASSIS-MOUNTED CAMPER

## TRUCK

- (11) VAN  
 (12) PICKUP TRUCK  
 (13) UNKNOWN LIGHT TRUCK  
 (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)  
 (16) PICKUP TRUCK WITH CANOPY/SHELL COVER  
 (22) PICKUP TRUCK WITH SLIDE-IN CAMPER  
 (30) UNKNOWN TRUCK TYPE  
 (31) CHASSIS-MOUNTED CAMPER  
 (33) DELIVERY VAN (WALK-IN)  
 (34) STRAIGHT TRUCK  
 (35) TRUCK-TRACTOR (BOBTAIL)  
 (36) CHASSIS-CAB  
 (37) UNKNOWN HEAVY TRUCK  
 (38) TRACTOR & SEMI-TRAILER (SEMI)  
 (39) TRUCK (OR SEMI) & FULL TRAILER(S)

## BUS

- (40) UNKNOWN BUS TYPE  
 (41) SCHOOL BUS  
 (42) INTERCITY BUS (BETWEEN CITIES)  
 (43) TRANSIT BUS (INTRACITY)  
 (44) STREETCAR (ON TRACKS)

- (68) TRAIN (CARS)  
 (69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cm)  
(999) UNKNOWN2 9 8  
58 59 60

Duplicate columns 1-8  
from the previous card.

Module 0 9 10 Format 0 2  
11 12

OTHER VEHICLE OV-2

### ORIGINAL SPECIFICATIONS

Wheelbase 298 cm

Curb Weight 1838 kg

Average Track Width 999 cm

Overall Length 556 cm

Overall Width (OAW) 199 cm

Front Overhang 115 cm

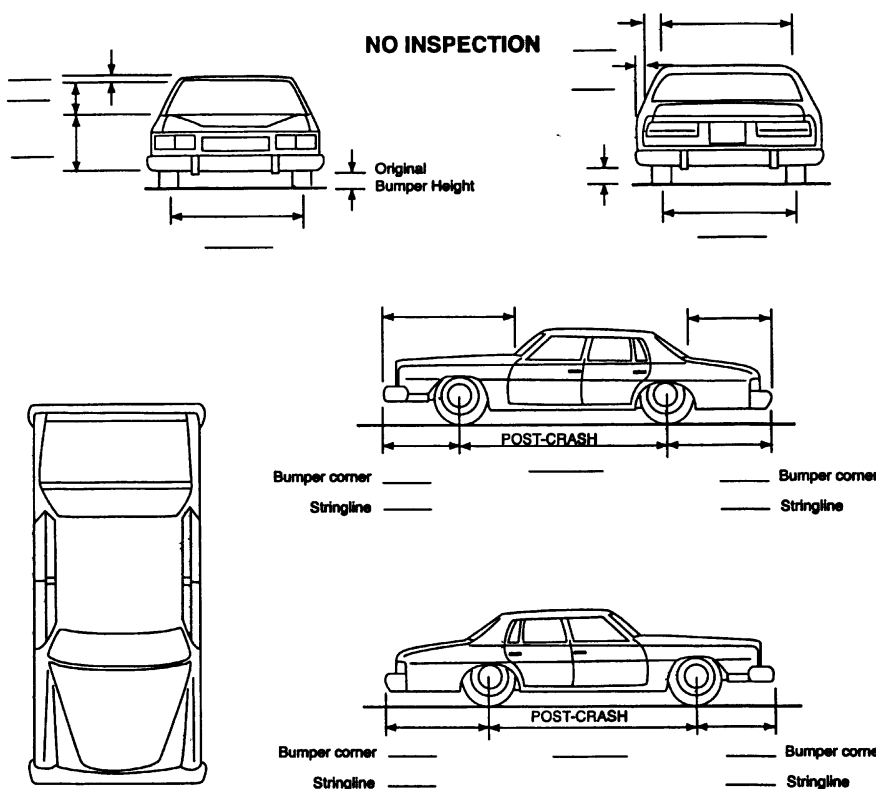
Rear Overhang 143 cm

Undeformed End Width (UEW) 999 cm

Engine Displacement 5.0 L

Engine: # of Cylinders 08

### MEASUREMENTS IN CENTIMETERS



### FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL) 999 cm

Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$  99 %

Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$  99 %

Duplicate columns 1-8  
from the previous card.Module 0 9 10 Format 0 4  
9 10 11 12

OTHER VEHICLE OV-1

MAKE: FORDCARGO: UNKNOWNMODEL: THUNDERBIRD LX 2-DR.SEDANVIN 1 F A P P 6 2 4 7 K 4 0 0 0 0 0  
13 .. 29

MANUFAC/BODY CODE

1 2 1 2 9  
30 31

MAKE/MODEL CODE

0 2 7 1  
38

MODEL YEAR

1 9 8 9  
39 42

VEHICLE MASS (kg)

0 0 1 6 0 6  
43 46IF SEPARATE REPORT WAS MADE,  
GIVE VEHICLE NUMBER0NUMBER OF OCCUPANTS  
(ENTER 9'S IF UNKNOWN)0 2  
51

TRAVELING SPEED (km/h)

9 9 9  
54

- (000) PARKED OR STOPPED  
(995) JUST STARTING UP  
(996) BACKING UP  
(997) SPEED NOT EXCESSIVE (BUT UNKNOWN)  
(998) SPEED EXCESSIVE (BUT UNKNOWN)  
(999) UNKNOWN

HIGHEST POLICE INJURY SEVERITY  
CODE FOR THIS VEHICLE

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(6) DIED PRIOR TO ACCIDENT  
(7) NON-FATAL INJURY  
SEVERITY UNKNOWN  
(8) UNOCCUPIED VEHICLE  
(NOT APPLICABLE)  
(9) UNKNOWN

3  
55

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(29) FULL

2 9  
56 57

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(15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)  
(16) PICKUP TRUCK WITH CANOPY/SHELL COVER  
(22) PICKUP TRUCK WITH SLIDE-IN CAMPER  
(30) UNKNOWN TRUCK TYPE  
(31) CHASSIS-MOUNTED CAMPER  
(33) DELIVERY VAN (WALK-IN)  
(34) STRAIGHT TRUCK  
(35) TRUCK-TRACTOR (BOBTAIL)  
(36) CHASSIS-CAB  
(37) UNKNOWN HEAVY TRUCK  
(38) TRACTOR & SEMI-TRAILER (SEMI)  
(39) TRUCK (OR SEMI) & FULL TRAILER(S)

## BUS

- (40) UNKNOWN BUS TYPE  
(41) SCHOOL BUS  
(42) INTERCITY BUS (BETWEEN CITIES)  
(43) TRANSIT BUS (INTRACITY)  
(44) STREETCAR (ON TRACKS)

- (68) TRAIN (CARB)  
(69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cm)

(999) UNKNOWN

2 8 7  
58 59 60

Duplicate columns 1-8  
from the previous card.

Module 0 V Format 0 2  
9 10 11 12

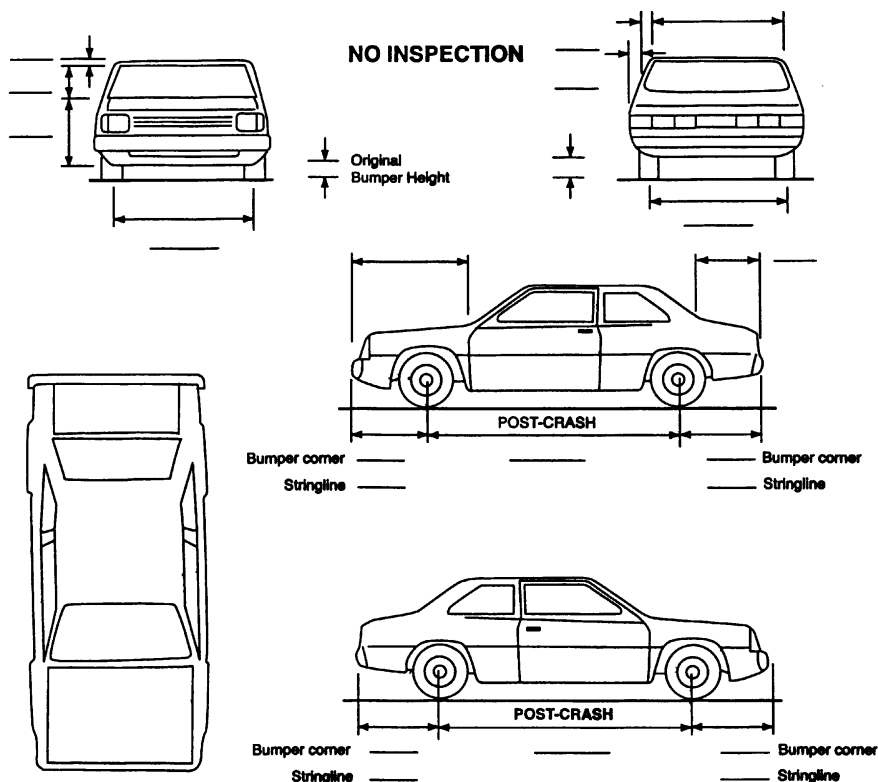
OTHER VEHICLE OV-2

### ORIGINAL SPECIFICATIONS

Wheelbase 287 cm  
Curb Weight 1606 kg  
Average Track Width 158 cm  
Overall Length 505 cm  
Overall Width (OAW) 185 cm

Front Overhang 109 cm  
Rear Overhang 111 cm  
Undeformed End Width (UEW) 999 cm  
Engine Displacement 3.8 L  
Engine: # of Cylinders 06

### VEHICLE DAMAGE



### FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

$$\text{Front-End Overlap (Percent)} = \frac{\text{DDL}}{\text{UEW}}$$

$$\text{Vehicle Overlap (Percent)} = \frac{\text{DDL} + 1/2 (\text{OAW} - \text{UEW})}{\text{OAW}}$$

999 cm

99 %

99 %

Duplicate columns 1-8  
from the previous card.Module V D Format 0 4  
9 10 11 12

## VEHICLE DESCRIPTION VD-1

MAKE: TOYOTA  
MODEL: CAMRY LE 4-DOOR SEDANCARGO: NONEVIN 4 T 1 B G 2 2 K 7 W U 0 0 0 0 0  
13 29MANUFAC/BODY CODE 1 8 3 2 7  
30 34MAKE/MODEL CODE 1 6 1 0  
38MODEL YEAR 1 9 9 8  
39 42VEHICLE MASS (kg) 0 0 1 4 1 5  
43 48ODOMETER (km) 8 8 8 8 8 8  
(ENTER 9'S IF UNKNOWN) 49 54  
(ENTER 8'S IF ELECTRONIC)NUMBER OF OCCUPANTS 0 2  
(ENTER 9'S IF UNKNOWN) 56TRAVELING SPEED (km/h) 35 mph 0 5 6  
59

- (000) PARKED OR STOPPED  
 (995) JUST STARTING UP  
 (996) BACKING UP  
 (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)  
 (998) SPEED EXCESSIVE (BUT UNKNOWN)  
 (999) UNKNOWN

## STOLEN VEHICLE

- (0) NO  
 (1) YES  
 (8) NOT COLLECTED  
 (9) UNKNOWN

8  
62

## BODY STRUCTURE

- (1) BODY & FRAME  
 (2) UNITIZED  
 (3) INTEGRAL-STUB FRAME  
 (4) BODY & PLATFORM FRAME  
 (E.G. VW BUG)  
 (5) PARTIALLY UNITIZED  
 (7) OTHER: \_\_\_\_\_  
 (9) UNKNOWN

2  
63

## TRANSMISSION

- (0) NONE  
 (1) AUTOMATIC  
 (2) MANUAL  
 (9) UNKNOWN

1  
64

## VEHICLE TYPE

## PASSENGER VEHICLE

- (11) 2-DOOR HARDTOP (NO UPPER B-PILLAR)  
 (12) 2-DOOR SEDAN OR COUPE  
 (ANY UPPER B-PILLAR)  
 (13) 4-DOOR HARDTOP  
 (14) 4-DOOR SEDAN  
 (15) STATION WAGON  
 (16) CONVERTIBLE  
 (18) OTHER PASS. VEH.: \_\_\_\_\_  
 (19) PASSENGER VEHICLE, TYPE UNKNOWN

14  
60 61

## MULTIPURPOSE PASSENGER VEHICLE

- (21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO)  
 (22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)  
 (23) VAN, SIZE UNKNOWN  
 (24) VAN, SMALL (MINI)  
 (25) VAN, LARGE  
 (29) MPV, TYPE UNKNOWN  
 (30) MOTOR HOME

## TRUCK

- (31) PICKUP TRUCK, UNKNOWN  
 (32) PICKUP TRUCK, SMALL (DOWNSIZED)  
 (33) PICKUP TRUCK, LARGE

(99) UNKNOWN

LOCATION OF TRANSMISSION  
SELECTOR LEVER

- (1) FLOOR  
 (2) CONSOLE  
 (3) COLUMN  
 (7) OTHER: \_\_\_\_\_  
 (9) UNKNOWN

2  
65

## STEERING

- (1) POWER  
 (2) MANUAL  
 (9) UNKNOWN

1  
66

## BRAKES

- (1) POWER  
 (2) MANUAL  
 (9) UNKNOWN

1  
67

## VEHICLE DESCRIPTION

VD-2

## TYPE OF BRAKES

- (0) DRUM, ALL WHEELS  
 (2) DISC, FRONT WHEELS  
 (3) DISC, ALL WHEELS  
 (9) UNKNOWN

2  
68

WHEELBASE (cm)  
 (999) Unknown

266  
76 77 78

## BRAKE ANTI-LOCK DEVICE

- (0) NONE INSTALLED  
 (1) TWO-WHEEL  
 (2) FOUR-WHEEL  
 (7) EQUIPPED, UNKNOWN WHEELS  
 (9) UNKNOWN

2  
69

PLASTIC ANTI-LACERATIVE  
 INNER LAYER GLASS EQUIPPED

- (0) NONE  
 (1) WINDSHIELD  
 (2) WINDSHIELD AND SIDE  
 (7) OTHER  
 (9) UNKNOWN

0  
79

## AIR CONDITIONING IN VEHICLE

- (0) NO  
 (1) YES  
 (8) NOT COLLECTED  
 (9) UNKNOWN

8  
70

## TYPE OF DRIVE

- (1) REAR WHEEL  
 (2) FRONT WHEEL  
 (3) FOUR WHEEL  
 (4) ALL WHEEL DRIVE  
 (9) UNKNOWN

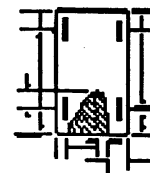
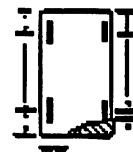
2  
71

## FIELD INVESTIGATOR INSTRUCTIONS:

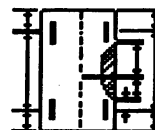
1. INDICATE CRUSHED AREAS BY OUT-LINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.
2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE.
3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR.
4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.

## EXAMPLES:

FRONT OR REAR



SIDE



ROOF (REFERENCE TO  
 TOP OF DOOR BILL  
 OR WINDOW BILL)



## DUAL REAR WHEELS

- (0) NO  
 (1) YES  
 (9) UNKNOWN

0  
72

ORIGINAL TYPE  
 OF RESTRAINT SYSTEM

- (1) ACTIVE BELT  
 (2) PASSIVE BELT  
 (3) AIRBAG  
 (4) KNEE BOLSTERS  
 (7) OTHER: \_\_\_\_\_  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

3  
73

## EQUIPPED WITH ROLL BAR

- (0) NO  
 (1) YES  
 (9) UNKNOWN

0  
74

## TYPE OF ROOF

- (0) NONE  
 (1) SOLID  
 (2) T-TOP CLOSED  
 (3) T-TOP OPEN  
 (4) SUN ROOF CLOSED  
 (5) SUN ROOF OPEN  
 (6) CONVERTIBLE CLOSED  
 (7) CONVERTIBLE OPEN  
 (8) OTHER: \_\_\_\_\_  
 (9) UNKNOWN

1  
75

Duplicate columns 1-8  
from the previous card.

Module V 9 10 Format 0 2  
11 12

# VEHICLE DESCRIPTION VD-3

## ORIGINAL SPECIFICATIONS

Wheelbase 266 cm

Curb Weight 1415 kg

Average Track Width 153 cm

Overall Length 479 cm

Overall Width (OAW) 178 cm

Front Overhang 098 cm

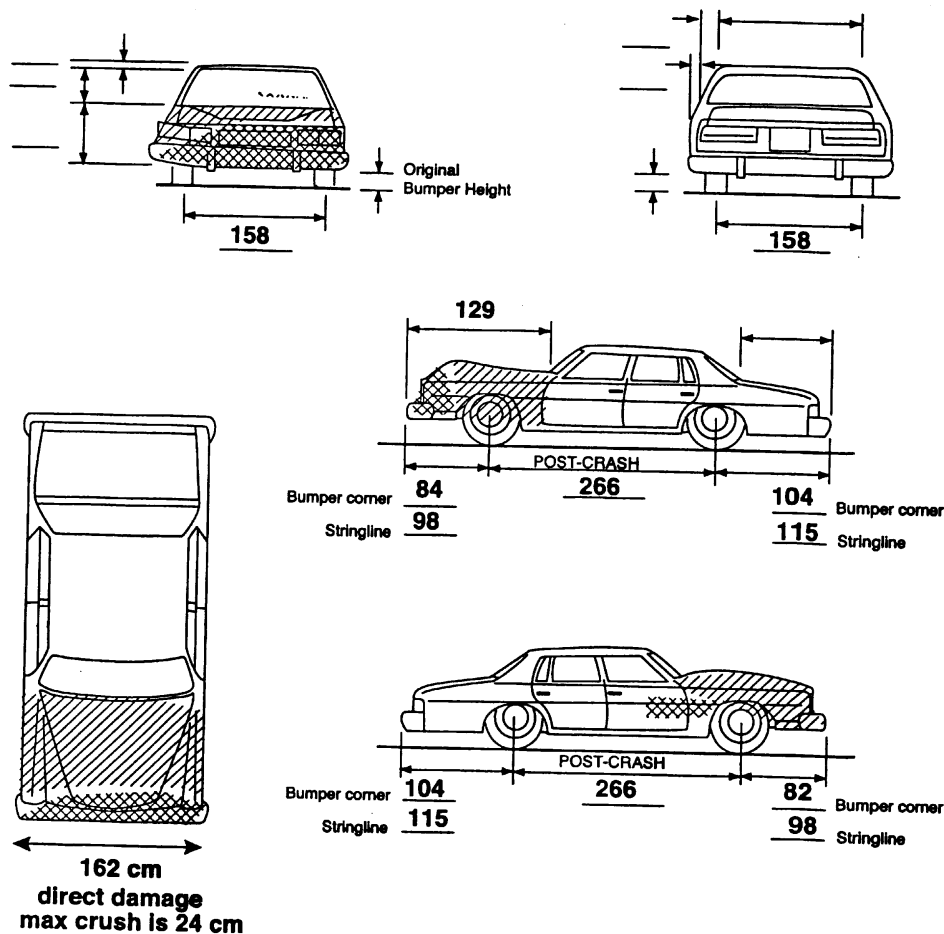
Rear Overhang 115 cm

Undeformed End Width (UEW) 162 cm

Engine Displacement 1.8 L

Engine: # of Cylinders 04

## VEHICLE DAMAGE



## FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL) 162 cm

Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$

99 %

Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$

999 %



Duplicate columns 1-8  
from the previous card.Module D A Format 0 2  
9 10 11 12

DAMAGE DA-1

PRIMARY	CASE VEHICLE PRIMARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	<u>1</u> 13	VEHICLE B
IMPACT SPEED (km/h)	<u>999</u> 14 15 16	<u>999</u> 35 36 37
ESTIMATED BY	<u>1</u> 17	<u>1</u> 38
CRUSH (cm)	<u>024</u> 18 19 20	<u>999</u> 39 40 41
CDC #1	<u>11.FDEW.1</u> 21 27	<u>99.0000.0</u> 42 48
CDC #2	<u>98.0000.0</u> 28 34	<u>98.0000.0</u> 49 55

Duplicate columns 1-8  
from the previous card.Module D A Format 0 3  
9 10 11 12

SECONDARY	CASE VEHICLE SECONDARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	<u>2</u> 13	VEHICLE C
IMPACT SPEED (km/h)	<u>999</u> 14 15 16	<u>999</u> 35 36 37
ESTIMATED BY	<u>1</u> 17	<u>1</u> 38
CRUSH (cm)	<u>007</u> 18 19 20	<u>999</u> 39 40 41
CDC #1	<u>013.RYEW.2</u> 21 27	<u>99.0000.0</u> 42 48
CDC #2	<u>98.0000.0</u> 28 34	<u>98.0000.0</u> 49 55

## CODES

## EVENT NUMBER

(8) NOT APPLICABLE  
(9) UNKNOWN

## IMPACT SPEED

(998) NOT APPLICABLE  
(999) UNKNOWN

## IMPACT SPEED ESTIMATOR

(1) INVESTIGATOR  
(2) DRIVER  
(3) POLICE  
(4) "CRASH" PROGRAM  
(5) OTHER COMPUTER PROGRAM  
SPECIFY: \_\_\_\_\_  
(7) OTHER: \_\_\_\_\_  
(8) NOT APPLICABLE  
(NO VEHICLE/NO IMPACT)

## CRUSH

(998) NOT APPLICABLE  
(NO VEHICLE/DAMAGE)  
(999) UNKNOWN

## CDC

(9800000) NOT APPLICABLE  
(9900000) UNKNOWN

Duplicate columns 1-8  
from the previous card.Module D A Format 0 1  
9 10 11 12

DAMAGE DA-2

## MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT 024  
13 15RIGHT SIDE 007  
16 18REAR 000  
19 21LEFT SIDE 000  
22 24ROOF 000  
25 27OTHER 000  
28 30CHRONOLOGICAL SEQUENCE  
OF DAMAGE/INJURY PRODUCING CRASH EVENTS  
FOR CASE VEHICLENOTE: IF CHRONOLOGICAL ORDER  
IS UNKNOWN, EVENT  
ORDER IS OPTIONAL.DO YOU KNOW THIS TABLE  
TO BE IN CHRONOLOGICAL ORDER? 1

31

(0) NO  
(1) YESEVENT  
NUMBER

## IMPACT LOCATION

- (1) ON ROADWAY  
(2) SHOULDER/MEDIAN/GORE  
(3) ON ROADSIDE  
(4) OUTSIDE ROADSIDE  
RIGHT-OF-WAY  
(5) OTHER  
(6) OFF ROADWAY, LOC. UNK.  
(9) UNKNOWN

IMPACT  
CONFIGURATIONFOR CODES, SEE TABLE  
ON PAGE DA-3.OBJECT/VEHICLE  
CONTACTEDFOR CODES, SEE TABLE  
ON PAGE DA-4.

# 1

1  
3213  
34veh (B) 02  
36

#2

1  
3741  
39veh (W) 29  
41

#3

—  
42—  
44—  
46

#4

—  
47—  
49—  
51

#5

—  
52—  
54—  
56

#6

—  
57—  
59—  
61

#7

—  
62—  
64—  
66

DAMAGE DA-3

CODES FOR  
IMPACT CONFIGURATIONFRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPED BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPED BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPED BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- ✓ (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPED BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

UNKNOWN

- (99) IMPACT TYPE UNKNOWN

DAMAGE DA-4

## CODES FOR VEHICLE/OBJECT CONTACTED

## VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT

- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

## PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

## SIZE

## WHEELBASE

SUB-MINI	< 2286 mm (< 90")
MINI	2286 - 2412 mm (90" - 94.9")
SUB-COMPACT	2413 - 2539 mm (95" - 99.9")
COMPACT	2540 - 2666 mm (100" - 104.9")
INTERMEDIATE	2667 - 2793 mm (105" - 109.9")
FULL	2794 - 2920 mm (110" - 114.9")
LARGE	2921 - 3174 mm (115" - 124.9")
LIMOUSINE	> 3175 mm (> 125")

## MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

## TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

## BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

## MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

## SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

## OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING  
ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM  
OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE  
MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES



Duplicate columns 1-8  
from the previous card.Module C R Format 0 1  
9 10 11 12CRASH RECONSTRUCTION CR-1  
for  $\Delta V$ 

	CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT	
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
EVENT NUMBER	<u>1</u> 13		<u>2</u> 47	
$\Delta V$ (km/h) TOTAL	<u>9</u> — 14 15 16	<u>9</u> — 32 33 34	<u>9</u> — 48 49 50	<u>9</u> — 66 67 68
LONGITUDINAL*	<u>9</u> — 17 20	<u>9</u> — 35 38	<u>9</u> — 51 54	<u>9</u> — 69 72
LATERAL*	<u>9</u> — 21 24	<u>9</u> — 39 42	<u>9</u> — 55 58	<u>9</u> — 73 76
*NOTE: THESE $\Delta V$ COMPONENTS MUST INCLUDE SIGN.				
EXAMPLES: 10 km/h = $\pm 010$ -7 km/h = $-007$				
ENERGY DISSIPATED BY CRUSH (kJ)	<u>9</u> — 25 28	<u>9</u> — 43 46	<u>9</u> — 59 62	<u>9</u> — 77 80
RECONSTRUCTION				
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>12</u> 29 30		<u>12</u> 63 64	
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL				
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL				
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL				
NOT RECONSTRUCTED BECAUSE				
(02) INSUFFICIENT DATA				
(03) EXCESSIVE UNDERRIDE/ OVERRIDE				
(04) ROLLOVER				
(05) VAULTING				
(06) OTHER TRAVEL IN MORE THAN ONE PLANE				
(07) NON-HORIZONTAL FORCE				
(08) SIDESWIPE-TYPE DAMAGE				
(09) YIELDING OBJECT				
(10) OTHER: _____				
(11) AT LEAST ONE VEHICLE BEYOND SCOPE				
(12) OTHER VEHICLE NOT INSPECTED				
MODE				
(1) CDC ONLY				
(2) CDC & DETAILED DAMAGE				
(3) TRAJECTORY & CDC				
(4) TRAJECTORY & CDC & DETAILED DAMAGE	<u>5</u> 31		<u>5</u> 65	
(5) NOT RECONSTRUCTED				
COMPUTER PROGRAM SPECIFY: _____				

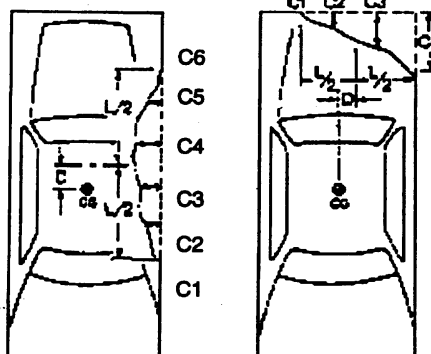
Duplicate columns 1-8  
from the previous card.Module C R Format 0 2  
9 10 11 12CRASH RECONSTRUCTION CR-2  
for EBS

	CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT	
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
EVENT NUMBER	<u>1</u> 13		<u>2</u> 47	
EBS (km/h) TOTAL	<u>024</u> 14 15 16	<u>9-</u> 32 33 34	<u>9-</u> 48 49 50	<u>9-</u> 66 67 68
LONGITUDINAL*	<u>-023</u> 17 20	<u>9-</u> 35 38	<u>9-</u> 51 54	<u>9-</u> 69 72
LATERAL*	<u>+006</u> 21 24	<u>9-</u> 39 42	<u>9-</u> 55 58	<u>9-</u> 73 76
*NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.				
EXAMPLES: 10 km/h = ±010 -7 km/h = -007				
ENERGY DISSIPATED BY CRUSH (kJ)	<u>0039</u> 25 28	<u>9-</u> 43 46	<u>9-</u> 59 62	<u>9-</u> 77 80
RECONSTRUCTION				
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>22</u> 29 30		<u>12</u> 63 64	
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL				
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL				
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL				
NOT RECONSTRUCTED BECAUSE				
(02) INSUFFICIENT DATA				
(03) EXCESSIVE UNDERRIDE/ OVERRIDE				
(04) ROLLOVER				
(05) VAULTING				
(06) OTHER TRAVEL IN MORE THAN ONE PLANE				
(07) NON-HORIZONTAL FORCE				
(08) SIDESWIPE-TYPE DAMAGE				
(09) YIELDING OBJECT				
(10) OTHER: _____				
(11) AT LEAST ONE VEHICLE BEYOND SCOPE				
(12) OTHER VEHICLE NOT INSPECTED				
MODE				
(1) CDC ONLY				
(2) CDC & DETAILED DAMAGE	<u>2</u> 31		<u>5</u> 65	
(3) TRAJECTORY & CDC				
(4) TRAJECTORY & CDC & DETAILED DAMAGE				
(5) NOT RECONSTRUCTED				
COMPUTER PROGRAM SPECIFY: <u>WINSMAH</u>				

**Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.**

Specific Impact No.	Location of Direct Damage	Location of Field L
1	BEGINS AT LFBC 132 CM	BC TO BC
2	BEGINS AT RE WHEEL 106	N/A

MAX CRUSH FOR FRONTAL IMPACT IS 19cm FROM C2



(1) Bumper  
(2) Above Bumper  
(3) Sill  
(4) Above Sill  
(5) Other \_\_\_\_\_  
(9) Unknown

DL \_\_\_\_\_

UDL

### CRUSH PROFILE IN CENTIMETERS

**NOTE:** Each line in the table below is a separate record (card).

**Duplicate columns 1 - 12 for each completed line.**

[illegible]



[illegible]

Duplicate columns 1-8  
from the previous card.Module W T Format 0 1  
9 10 11 12

## WHEELS AND TIRES

WT-1

## WHEELS--DAMAGED

- (0) NO  
(1) YES  
(9) UNKNOWN

LF 0  
13RF 0RR 0FLAT LR 0  
18

## TIRE TREAD TYPE

- (1) REGULAR  
(2) SNOW  
(3) SLICKS  
(4) ALL WEATHER (MS)  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

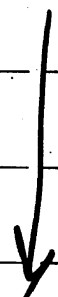
LF 4  
17RF 4RR 4LR 4  
20

## CARCASS CONSTRUCTION

- (1) BIAS  
(2) BELTED BIAS  
(3) RADIAL  
(4) ELLIPTICAL  
(5) HI PRESSURE SPARE  
(6) SPACE SAVER SPARE  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF 3  
21RF 3RR 3LR 3  
24

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)

LF P195-70R14  
25RF \_\_\_\_\_  
35RR \_\_\_\_\_  
45LR \_\_\_\_\_  
55

IF VEHICLE IS EQUIPPED WITH DUAL  
WHEELS, COMPLETE FOR OUTER WHEELS  
AND MAKE NOTES ON INNER WHEELS.

NOTES: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Duplicate columns 1-8  
from the previous card.

Module F T Format 0 1  
9 10 11 12

# FUEL AND FUEL TANKS FT-1

<b>TYPE OF PROPULSIVE FUEL</b> (1) GASOLINE (2) DIESEL OIL (3) LPG (4) ELECTRIC (7) OTHER: _____ (9) UNKNOWN	<u>1</u> 13	<b>AUXILIARY TANK TYPE</b> (1) OEM TANK (2) AFTER MARKET TANK (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	<u>8</u> 21
<b>MAIN TANK LOCATION</b>	<u>322</u> 14 16	<b>AUXILIARY TANK LOCATION</b>	<u>888</u> 22 24
<b>MAIN FILLER CAP LOCATION</b>	<u>113</u> 17 19	<b>AUXILIARY FILLER CAP LOCATION</b>	<u>888</u> 25 27
<b>MAIN TANK MATERIAL</b> <u>cc</u>	<u>9</u> 20	<b>AUXILIARY TANK MATERIAL</b>	<u>8</u> 28

## TANK AND FILLER CAP LOCATION CODES

### FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

### SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

### THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

## TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module F L Format 0 1  
9 10 11 12

# FUEL LEAKAGE FL-1

## DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.

(1) YES COMPLETE PAGE.

0  
13

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	<u>14</u> <u>15</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u> <u>      </u>	<u>21</u>
#2	<u>22</u> <u>23</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u> <u>      </u>	<u>29</u>
#3	<u>30</u> <u>31</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u> <u>      </u>	<u>37</u>
#4	<u>38</u> <u>39</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u> <u>      </u>	<u>45</u>
#5	<u>46</u> <u>47</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u> <u>      </u>	<u>53</u>

## I LEAKING COMPONENT

### TANK AREA

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE
- (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

### DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

### EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-EEC EQUIPPED)
- (32) EEC PIPE (VAPOR CANISTER TO CARBURETOR)

### EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN

- (49) ENGINE COMPARTMENT, COMPONENT UNKNOWN
- (99) COMPONENT UNKNOWN

## II COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

## III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) RUPTURED
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

## IV SEVERITY OF DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (4) DISCONNECTED/DEFEATED
- (9) UNKNOWN

## V LOCATION OF LEAK

FIRST DIGIT  
(LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL
- (2) P, BETWEEN COWL & REAR BULKHEAD
- (3) B, BEHIND REAR BULKHEAD
- (4) Y, F, & P
- (5) Z, P, & B
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

SECOND DIGIT  
(LATERAL LOCATION)

- (1) L, LEFT
- (2) C, CENTER
- (3) R, RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module F R Format 0 1  
9 10 11 12

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE?

(0) NO SKIP PAGE.

(1) YES COMPLETE PAGE.

0

13

DID FIRE START IN CASE VEHICLE?

- (0) NO
- (1) YES
- (9) UNKNOWN

14

SEVERITY OF FIRE DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (9) UNKNOWN

16

FLAME PROPOGATION RATE

- (1) RAPID/EXPLOSIVE
- (2) SLOW/MODERATE
- (9) UNKNOWN

15

DID AN INJURY TO CASE  
VEHICLE OCCUPANT RESULT FROM  
FIRE IN OR ON CASE VEHICLE?

- (0) NO
- (1) YES
- (9) UNKNOWN

17

PROVIDE NOTES IF FIRE OCCURRED.

Duplicate columns 1-8  
from the previous card.

Module E D Format 0 1  
9 10 11 12

## EXTERIOR DAMAGE

ED-1

## HOOD PERFORMANCE

FOR THE FOLLOWING, USE CODES:

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(9) UNKNOWN

HOOD LATCH(ES)- -RELEASED

0  
13

-DAMAGED

1  
14

-JAMMED

1  
15

HOOD HINGES- -LEFT, DAMAGED

1  
16

-LEFT, SEPARATED  
(COMPLETE)

0  
17

-RIGHT, DAMAGED

1  
18

-RIGHT, SEPARATED  
(COMPLETE)

0  
19

HOOD REMAINED ON VEHICLE

1  
20

REAR EDGE OF HOOD- -ELEVATED

1  
21

-CONTACTED WINDSHIELD

0  
22

-PENETRATED WINDSHIELD

8  
23

HOOD LATCH LOCATION

- (1) FRONT OF VEHICLE  
(2) COWL AREA  
(3) SIDE  
(8) NOT APPLICABLE  
(9) UNKNOWN

1  
24

## STEERING COL FLEXIBLE COUPLING

FLEXIBLE COUPLING TYPE

- (0) NONE  
(1) FLEXIBLE MATERIAL  
(2) POT  
(3) SINGLE U-JOINT  
(4) DOUBLE U-JOINT  
(5) FLEXIBLE CABLE  
(6) COMBINATION OF ABOVE  
(CIRCLE EACH)  
(7) OTHER: \_\_\_\_\_  
(8) EQUIPPED, TYPE UNKNOWN  
(9) UNKNOWN, IF EQUIPPED

9  
26

COUPLING- -DAMAGED

9  
27

(USE CODES  
FROM HOOD  
PERFORMANCE)

-SEPARATED  
(COMPLETE)

9  
28

## ENG COMPART TELESCOPING UNIT

TYPE OF UNIT

- (00) NONE INSTALLED  
(01) - (07) SEE UNITS ON PAGE ED-2  
(88) NOT COLLECTED  
(97) OTHER: \_\_\_\_\_  
(98) EQUIPPED, TYPE UNKNOWN  
(99) UNKNOWN IF EQUIPPED

8 8  
29 30

ORIGINAL LENGTH (mm)

F (OR H): \_\_\_\_\_

TELESCOPED LENGTH (mm)

G: \_\_\_\_\_

DIFFERENCE (mm)

F (OR H) - G

(IF LESS THAN 15mm, ENTER "000".)

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO  
COMPRESSION  
(992) COMPRESSED, AMOUNT  
UNKNOWN  
(993) DEVICE EXTENDED  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT  
EQUIPPED)  
(999) UNKNOWN

8 8 8  
31 32 33

## ENGINE OR TRANSMISSION MOUNT

SEPARATION (COMPLETE)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
25

## EXTERIOR DAMAGE

ED-2

## LEFT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

8  
 34

## LEFT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(0) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION  
 (2) DOOR-LATCH SEPARATION  
 (3) LATCH-STRIKER SEPARATION  
 (4) STRIKER-PILLAR SEPARATION  
 (5) BODY DISTORTION  
 (6) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (7) OPENED, REASON UNKNOWN

- (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

## LEFT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

0  
 35

LOWER

0  
 36

-B-PILLAR, UPPER

0  
 37

LOWER

0  
 38

-C-PILLAR, UPPER

0  
 39

LOWER

0  
 40

-D-PILLAR, UPPER

8  
 41

LOWER

8  
 42

-FRONT

0  
 43

-REAR

0  
 44

## DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

0  
 45

-REAR

0  
 46

## EXTERIOR DAMAGE

ED-3

## REAR DOOR

## REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)  
 (1) HATCHBACK  
 (2) ONE-WAY TAILGATE  
 (3) TWO-WAY TAILGATE  
 (4) CLAMSHELL/DISAPPEARING TAILGATE  
 (5) SINGLE DOOR  
 (6) DOUBLE DOOR  
 (9) UNKNOWN

Hatchback



One-way



Two-way



or



Clamshell



Single door



Double door

HOW DID DOOR  
OPEN DURING COLLISION?

- (0) DOOR DID NOT OPEN

## OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION  
 (2) DOOR-LATCH SEPARATION  
 (3) LATCH-STRIKER SEPARATION  
 (4) STRIKER-PILLAR SEPARATION  
 (5) BODY DISTORTION  
 (6) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (7) OPENED, REASON UNKNOWN  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

## DOOR JAMMED CLOSED

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

0  
 47

8  
 48

8  
 49

## OTHER REAR DAMAGE

WAS PARTITION TO LUGGAGE AREA  
DAMAGED DURING COLLISION?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

0  
 50

## SPARE TIRE

- (0) NO SPARE TIRE  
 (1) NOT ATTACHED BEFORE COLLISION  
 (2) ATTACHED, NOT SEPARATED IN COLLISION  
 (3) ATTACHED, SEPARATED DUE TO COLLISION  
 (8) NOT COLLECTED  
 (9) UNKNOWN

8  
 51

## TRAILER HITCH TYPE

- (0) NO HITCH

## BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)  
 (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)  
 (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)  
 (4) LOAD EQUALIZING

## OTHER TYPES

- (5) RING-AND-PINTLE  
 (6) FIFTH-WHEEL (INCL. P/U)  
 (7) OTHER (E.G. CLEVIS-AND-PIN)

- (8) EQUIPPED, TYPE UNKNOWN  
 (9) UNKNOWN IF EQUIPPED

0  
 52

TRAILER TYPE  
(AT TIME OF COLLISION)

- (0) NO TRAILER  
 (1) TRAVEL-TRAILER/CAMPER  
 (2) MOBILE HOME  
 (3) BOAT/SNOWMOBILE/ATV TRAILER  
 (4) UTILITY TRAILER  
 (5) TOWED CAR  
 (7) OTHER: \_\_\_\_\_  
 (8) TRAILER, TYPE UNKNOWN  
 (9) UNKNOWN

0  
 53



## EXTERIOR DAMAGE

ED-4

## RIGHT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

8  
 54

## RIGHT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

0  
 55

LOWER

0  
 56

-B-PILLAR, UPPER

0  
 57

LOWER

0  
 58

-C-PILLAR, UPPER

0  
 59

LOWER

0  
 60

-D-PILLAR, UPPER

8  
 61

LOWER

8  
 62

## RIGHT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(00) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (01) HINGE AREA SEPARATION  
 (02) DOOR-LATCH SEPARATION  
 (03) LATCH-STRIKER SEPARATION  
 (04) STRIKER-PILLAR SEPARATION  
 (05) BODY DISTORTION  
 (06) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (07) OPENED, REASON UNKNOWN  
 (11) VAN RIGHT-REAR DOOR OPENED  
 (ANY MECHANISM)

(98) NOT APPLICABLE (NO DOOR)

(99) UNKNOWN

-FRONT

00  
 63 64

-REAR

00  
 65 66

## DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

0  
 67

-REAR

0  
 68

## VAN REAR DOOR TYPE

- (0) VAN, NO REAR DOOR  
 (1) TRACK (SLIDING) - RIGHT SIDE  
 (2) SINGLE-HINGED - RIGHT SIDE  
 (3) DOUBLE-HINGED - RIGHT SIDE  
 (4) TRACK (SLIDING) - RIGHT & LEFT SIDE  
 (5) SINGLE-HINGED - RIGHT & LEFT SIDE  
 (6) DOUBLE-HINGED - RIGHT & LEFT SIDE  
 (7) TRACK AND HINGED COMBINATION  
 (8) NOT APPLICABLE (NOT A VAN)  
 (9) UNKNOWN

8  
 69

## EXTERIOR DAMAGE

ED-5

## WINDSHIELD DAMAGE

## WINDSHIELD CRACKED

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(9) UNKNOWN

WINDSHIELD BROKEN  
(PLASTIC INTERLAYER TORN)

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(9) UNKNOWN

CRACKED OR BROKEN  
BY OCCUPANT CONTACT

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(9) UNKNOWN

## EXTENT OF BOND SEPARATION

- (0) NONE  
(1) 1 - 20%  
(2) 21 - 40  
(3) 41 - 60  
(4) 61 - 80  
(5) 81 - 99  
(6) TOTAL  
(7) SEPARATED, AMOUNT  
UNKNOWN  
(8) NOT APPLICABLE  
(9) UNKNOWN

## WINDSHIELD MARK ON CASE VEHICLE:

TOYOTA

PPG

SOLARGREEN

DUPLATE

LAMINATED

SAFETY FLOAT

ASI

DOT

M

## WINDSHIELD CODE

- (97) DESCRIBED BUT NOT CODED  
(98) NOT APPLICABLE (NO WINDSHIELD)  
(99) UNKNOWN

97  
74 75

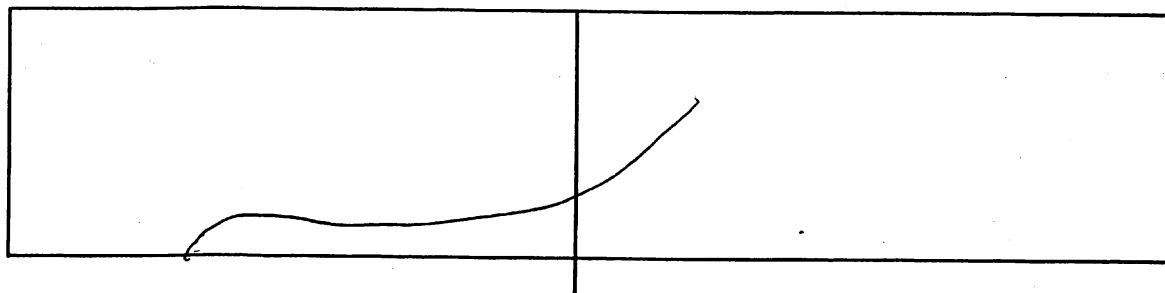
## Roof

DID T-ROOF/SUN ROOF OPEN  
DURING COLLISION?

- (0) NO  
(1) YES  
(8) NOT APPLICABLE  
(NOT A T-ROOF OR SUN ROOF)  
(9) UNKNOWN

8  
76

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.

COWL  
DEFORMATION

L

C

R

Duplicate columns 1-8  
from the previous card.Module S C Format 0 1  
9 10 11 12

## STEERING WHEEL AND COLUMN SC-1

## STEERING WHEEL

## STEERING WHEEL RIM DAMAGE

- (0) NONE  
(1) DEFORMED SLIGHTLY  
(2) SEVERELY BENT  
(3) BROKEN  
(9) UNKNOWN

NUMBER OF  
STEERING WHEEL SPOKES

- (9) UNKNOWN

## STEERING WHL SPOKE DAMAGE

- (0) NONE  
(1) DEFORMED SLIGHTLY  
(2) SEVERELY BENT  
(3) BROKEN  
(9) UNKNOWN

STEERING WHEEL POSITION  
AT TIME OF COLLISION

IN WHAT O'CLOCK POSITION WAS THE  
NORMAL TOP OF THE WHEEL POINTED  
WHEN THE COLLISION OCCURRED?

## EXAMPLES

O'CLOCK = 1 2O'CLOCK = 0 2

(NORMAL STRAIGHT  
AHEAD)



O'CLOCK = 01

(99) UNKNOWN

STEERING WHEEL  
ENERGY ABSORBING DEVICE

(1) EXAMPLES:



BARRACUDA, 70 - 74  
CHALLENGER, 70 - 74  
CAPRI, 71 - 77

(2) EXAMPLES:



OMNI, 78 -  
HORIZON, 78 -

## STEERING COLUMN OPTIONS

## TILT FEATURE

- (0) NOT EQUIPPED  
(1) YES, EQUIPPED, UNK POSITION  
(2) UP  
(3) MIDDLE  
(4) LOWER  
(9) UNKNOWN IF EQUIPPED

## SWING-AWAY FEATURE

- (0) NOT EQUIPPED  
(1) YES, EQUIPPED  
(9) UNKNOWN IF EQUIPPED

## TELESCOPING FEATURE

- (0) NOT EQUIPPED  
(1) YES, EQUIPPED  
(9) UNKNOWN IF EQUIPPED

## TYPE OF DEVICE

- (0) NONE  
(1) CONVOLUTED OR MESH CYLINDER  
(2) DEEP DISH STEERING WHEEL  
(7) OTHER: \_\_\_\_\_  
(8) NOT COLLECTED  
(9) UNKNOWN IF EQUIPPED

## ORIGINAL DIMENSION (mm)

A: \_\_\_\_\_

## DAMAGE DIMENSION (mm)

B: \_\_\_\_\_

## DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO APPARENT  
COMPRESSION  
(992) COMPRESSED, AMOUNT UNKNOWN  
(993) DEVICE EXTENDED  
(997) UNABLE TO MEASURE  
(998) NOT APPLICABLE (NOT EQUIPPED)  
(999) UNKNOWN

8 8 8  
20 22

## STEERING WHEEL AND COLUMN SC-2

STEERING COLUMN  
ENERGY ABSORBING DEVICE

TYPE OF DEVICE \* (IF 27 OR 28)

- (00) NOT EQUIPPED  
(88) NOT COLLECTED  
(99) UNKNOWN

8 8  
23 24

ORIGINAL LENGTH (mm)

C: \_\_\_\_\_

COMPRESSED LENGTH (mm)

D: \_\_\_\_\_

BRACKET DEFLECTION (IF CODE 36, 48,  
OR 49 ABOVE)

OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE:  $\pm 10$ )

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO APPARENT  
COMPRESSION  
(992) COMPRESSED, AMOUNT UNKNOWN  
(993) DEVICE EXTENDED  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT EQUIPPED)  
(999) UNKNOWN

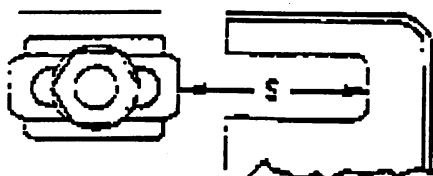
8 8 8  
25 27

\* (ADD A &amp; B FOR TOTAL COMPRESSION)

SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT &amp; RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO APPARENT  
SEPARATION  
(992) SEPARATED, AMOUNT UNKNOWN  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT EQUIPPED)  
(999) UNKNOWN

8 8 8  
28 30

## COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION  
(1) UPWARD APPARENT ROTATION  
(2) DOWNWARD APPARENT ROTATION  
(9) UNKNOWN

0  
31

## COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION  
(1) LEFT APPARENT ROTATION  
(2) RIGHT APPARENT ROTATION  
(9) UNKNOWN

0  
32

## STEERING WHEEL (CONTINUED)

## STEERING WHEEL HUB DAMAGE

- (0) NONE  
(1) OCCUPANT CONTACT  
(2) AIRBAG  
(3) OTHER \_\_\_\_\_  
(9) UNKNOWN

0  
33



1 = Definitely 2 = Probably 3 = Possible

BEST AVAILABLE

INTRUSION IT-1

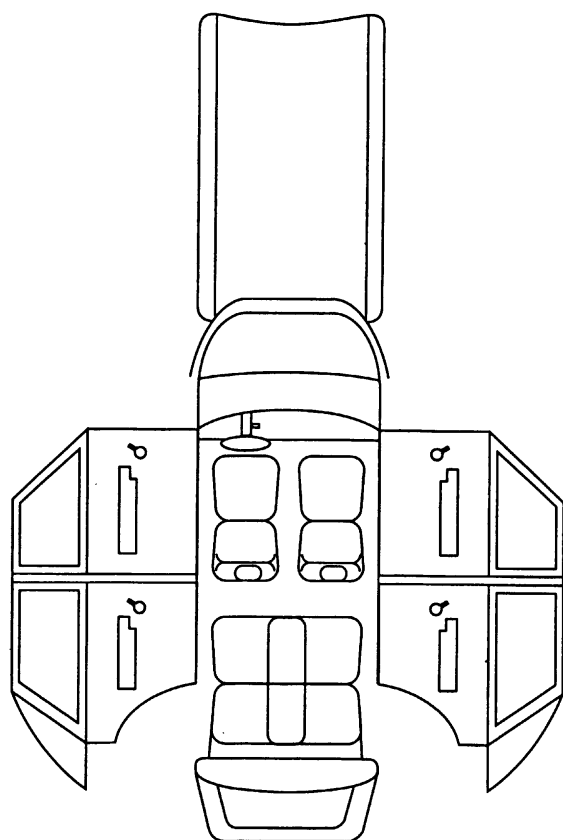
[illegible]

## OCCUPANT CONTACT WORKSHEET

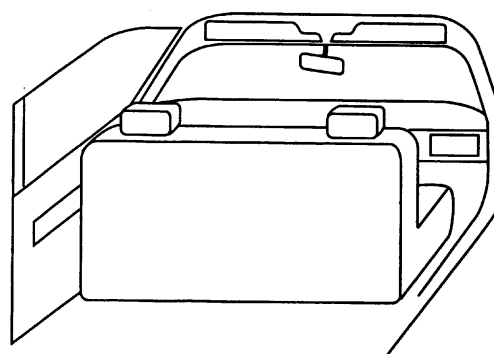
Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	AIRBAG	1	FACE	BLACK MARKS ON TOP RIGHT	1
B	KNEE BOLSTER	1	KNEE	SCUFF (CENTER)	1
C	DOOR PANEL	2	LEG	BLACK MARKS	2
D					
E					
F					
G					
H					
I					
J					
K					

## INTRUSION IT-2

## VEHICLE OCCUPANT CONTACT DIAGRAM

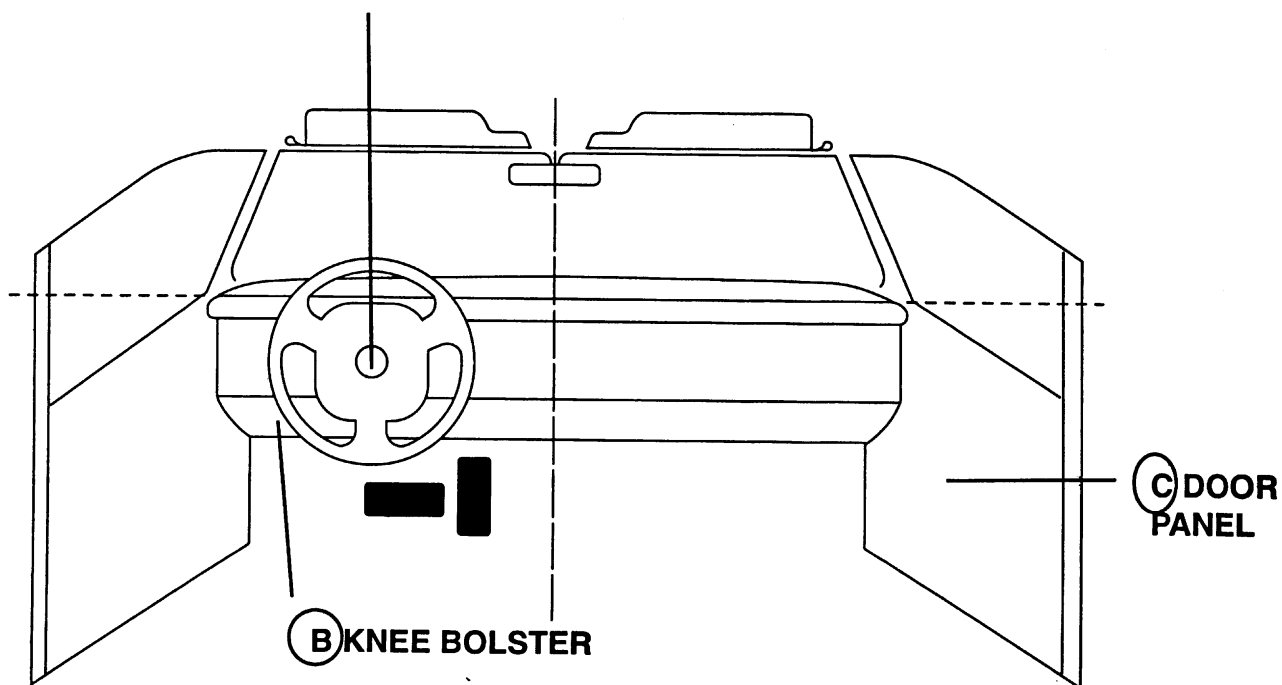


Ⓐ AIRBAG



DR BELT: UP-POSITION ON B-PILLAR.  
WEBBING LOCKED IN EXTENDED  
POSITION. MARKS ON D-RING AND  
SHOULDER-BELT WEBBING  
DEFINITE USE.

RF BELT: UP-POSITION ON B-PILLAR.  
WEBBING LOCKED IN EXTENDED  
POSITION. MARKS ON D-RING AND  
SHOULDER-BELT WEBBING  
DEFINITE USE.



Ⓑ KNEE BOLSTER

Ⓒ DOOR  
PANEL

## INTRUSION IT-3

## CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

## FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

## SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

- (1) LEFT (3) RIGHT ..... INDIVIDUAL SEAT
- (1) LEFT (2) CENTER (3) RIGHT ..... BENCH: FULL WIDTH 3 PASSENGER
- (1) LEFT (2) LEFT CENTER (6) RIGHT CENTER (3) RIGHT ..... BENCH: FULL WIDTH 4 PASSENGER
- (1) LEFT (2) CENTER (5) RIGHT & ..... BENCH: PARTIAL WIDTH, LEFT AISLE SPACE
- (0) LEFT & SPACE (2) CENTER (5) RIGHT & ..... BENCH: PARTIAL WIDTH, CENTERED SPACE
- (4) ENTIRE VEHICLE WIDTH ..... CARGO AREA

## EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR  
5 PASSENGERS

X	X	11	13
X	X	21	22 23

VAN  
12 PASSENGER CAPACITY

X	X	11	13
X	X	X	21 22 25
X	X	X	31 32 35
X	X	X	X 41 42 46 43

## CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)  
(Y) Y-AXIS (LATERAL)  
(Z) Z-AXIS (VERTICAL)

## CODES FOR COLUMNS G, H, I &amp; J, OCCUPANT &amp; INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	CONTACT
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT





## INTRUSION IT-4

## CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.

## INDIVIDUAL COMPONENT

## INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/  
SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (DESCRIBE)
- (26) UNKNOWN INTERNAL SURFACES
- (28) TRANSMISSION TUNNEL (HUMP)
- (29) SIDE FOOTWELL PANEL (KICKPANEL)
- (30) SILL

## EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER  
COMPARTMENT BUT PART  
OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (E.G. SPARE TIRE,  
JACK. DESCRIBE.)
- (49) UNKNOWN EXTERNAL OBJECT

## GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

USE ONLY IF ALL THESE COMPONENTS  
INTRUDED INTO A SINGLE OCCUPANT SPACE.

- (50) WINDSHIELD HEADER
- A-PILLAR
- ROOF SIDE RAIL

- (51) INSTRUMENT PANEL
- A-PILLAR
- DOOR PANEL

- (52) INSTRUMENT PANEL
- A-PILLAR
- WINDSHIELD HEADER

- (53) DOOR PANEL
- B-PILLAR
- ROOF RAIL

- (54) DOOR PANEL
- A-PILLAR
- ROOF RAIL

- (55) INSTRUMENT PANEL
- FLOOR PAN
- A-PILLAR
- DOOR FRAME

- (56) ROOF RAIL
- A-PILLAR
- B-PILLAR
- WINDOW FRAME

- (57) ROOF RAIL
- A-PILLAR
- B-PILLAR
- C-PILLAR
- DOOR PANEL

- (58) ROOF
- ROOF RAIL
- WINDOW FRAME
- DOOR PANEL

- (59) BACKLIGHT HEADER
- ROOF
- C-PILLAR
- THIRD SEAT-BACK

- (60) ROOF
- ROOF RAIL
- A-PILLAR
- B-PILLAR
- C-PILLAR
- WINDOW FRAME
- DOOR PANEL
- FLOOR PAN

- (61) INSTRUMENT PANEL
- TOE PAN
- WINDSHIELD HEADER
- A-PILLAR
- ROOF RAIL
- WINDOW FRAME
- DOOR PANEL
- ROOF

- (62) ROOF
- ROOF RAIL
- C-PILLAR
- WINDOW FRAME
- FLOOR PAN
- SECOND SEAT
- DOOR PANEL

- (63) ROOF RAIL
- ROOF
- B-PILLAR
- WINDOW FRAME
- FLOOR PAN
- DOOR PANEL
- SECOND SEAT
- FRONT SEAT

- (64) ROOF RAIL
- ROOF OR CONVERTIBLE TOP
- A-PILLAR
- B-PILLAR
- WINDOW FRAME
- WINDOW HEADER

- (65) WINDSHIELD
- WINDSHIELD HEADER
- ROOF SIDE RAIL

- (66) WINDSHIELD
- WINDSHIELD HEADER
- A-PILLAR

(98) NOT APPLICABLE

(99) UNKNOWN

Duplicate columns 1-8  
from the previous card.Module 1 1 Format 0 1  
9 10 11 12

INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION?

0  
13

WAS INTRUSION CATASTROPHIC?

14

- (0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.  
 (1) YES ANSWER NEXT QUESTION.  
 (9) UNKNOWN SKIP PAGE.

- (0) NO COMPLETE PAGE.  
 (1) YES SKIP PAGE.

Duplicate columns 1-8  
from the previous card.Module 1 1 Format 0 2  
9 10 11 12

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

**INTRUSIONS** CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.  
 CODES FOR B, F, G, H, I, J ON PAGE IT-3  
 CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0 1</u>	— —	— —	—	—	—	—	— —	— —	— —	— —
<u>0 2</u>	— —	— —	—	—	—	—	— —	— —	— —	— —
<u>0 3</u>	— —	— —	—	—	—	—	— —	— —	— —	— —
<u>0 4</u>	— —	— —	—	—	—	—	— —	— —	— —	— —
<u>0 5</u>	— —	— —	—	—	—	—	— —	— —	— —	— —
<u>0 6</u>	— —	— —	—	—	—	—	— —	— —	— —	— —
<u>0 7</u>	— —	— —	—	—	—	—	— —	— —	— —	— —

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8  
from the previous card.Module 1 1 Format 0 3  
9 10 11 12NOTE: IF NO SIDE DOOR INTRUSION,  
SKIP REMAINDER OF PAGE.SIDE DOOR INTRUSION  
RESULTED FROMINTRUSION  
NUMBER

CAUSE

CODES  
FOR CAUSE:

- |           |           |             |
|-----------|-----------|-------------|
| <u>13</u> | <u>15</u> | (1) DIRECT  |
| <u>16</u> | <u>18</u> | IMPACT      |
| <u>19</u> | <u>21</u> | (2) INDUCED |
|           |           | DAMAGE      |
|           |           | (9) UNKNOWN |

IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED  
DOOR INTRUSION, CODE COMPONENTINTRUSION  
NUMBERDAMAGED  
COMPONENT 1DAMAGED  
COMPONENT 2CODES  
FOR COMPONENTSA 22 23B 26 27C 30 31D 34 3525293337

- (0) NONE  
 (1) A-PILLAR  
 (2) B-PILLAR  
 (3) C-PILLAR  
 (4) LATCH/STRIKER  
 (5) HINGES  
 (7) OTHER: \_\_\_\_\_  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

[illegible]

(4) YES, and OCCUPANT CONTACT  
(8) NOT APPLICABLE  
(9) UNKNOWN

39

Duplicate columns 1-8 from the previous card.		Module <u>S</u> <u>I</u> Format <u>0</u> <u>2</u> 9 10 11 12		SEATS		ST-1	
<b>FRONT SEAT</b>		<b>DRIVER</b>		<b>PASSENGER</b>			
<b>TYPE OF FRONT SEAT</b> (00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN		<u>05</u> 13 14		<u>05</u> 15 16			
<b>TYPE OF SEAT MOUNT</b> (1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 17		<u>1</u> 18			
<b>SWIVEL MECHANISM EQUIPPED</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 19		<u>0</u> 20			
<b>ORIGINAL EQUIPMENT SEATS</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 21		<u>1</u> 22			
<b>CONTACT OF SEAT BY REAR OCCUPANT</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>8</u> 23		<u>8</u> 24			
<b>FRONT SEAT DAMAGE</b> (0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 25		<u>0</u> 26			
<b>CENTER ARMREST DAMAGED</b> (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED		<u>0</u> 27					
<b>FRONT SEAT ROTATION</b> (0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 28		<u>0</u> 29			
				<b>FRONT SEAT-BACK</b>		<b>DRIVER</b>	
				<b>SEAT-BACK TYPE</b> (1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>3</u> 30	
				<b>SEAT-BACK LOCK TYPE</b> (0) NONE (1) MANUAL (2) INERTIA (3) POWER (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 32	
				<b>LOCKS HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 34	
				<b>RECLINER MECHANISM HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 36	
				<b>HEAD RESTRAINT</b>		<b>PASSENGER</b>	
				<b>HEAD RESTRAINT TYPE</b> (0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 38	
				<b>REMOVED PRE-CRASH</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 40	
				<b>ADJUSTMENT AT CRASH</b> (1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN		<u>2</u> 42	
				<b>HEAD RESTRAINT DAMAGE</b> (0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 44	
						<u>0</u> 45	

FRONT SEAT ADJUSTMENT		DRIVER	PASSENGER	SECOND SEAT (CONT.)	
<b>SEAT ADJUSTMENT TYPE</b> (0) NONE (RIGID) (1) MANUAL (2) POWER (7) OTHER: _____ (8) NOT APPLICABLE (NO SEAT) (9) UNKNOWN		<u>1</u> 46	<u>1</u> 47	<b>CENTER ARMREST DAMAGED</b> (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED	
<b>ADJUSTMENT PROVIDED</b> (1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 48	<u>1</u> 49	<b>SECOND SEAT-BACK</b> <b>LOCKS</b> FOR THE FOLLOWING, USE: (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	
<b>SEAT ADJUSTER DAMAGE</b> (0) NONE (1) CHUCKING (FREE PLAY) (2) DEFORMED (RELEASED/JAMMED) (3) SEPARATED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 50	<u>0</u> 51	<b>LEFT OR CENTER, EQUIPPED</b> <u>1</u> 61	
<b>SEAT ADJUSTER SEPARATION</b> (0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN		<u>8</u> 52	<u>8</u> 53	<b>LEFT OR CENTER, HELD</b> (3) SEAT FOLDED DOWN <u>1</u> 63	
<b>PRE-CRASH POSITION</b> (1) FORWARD (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN		<u>2</u> 54	<u>3</u> 55	<b>RIGHT, EQUIPPED</b> <u>0</u> 65	
<i>Both Forward AT inspection note</i>				<b>RIGHT, HELD</b> (3) SEAT FOLDED DOWN <u>8</u> 67	
<b>SECOND SEAT</b> <b>TYPE OF SECOND SEAT</b> (0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (5) INTEGRAL CHILD SEAT (6) LUGGAGE AREA ACCESS PANEL (9) UNKNOWN		LEFT	RIGHT	<b>THIRD SEAT</b> <b>EQUIPPED</b> <u>0</u> 69	
				<b>BACKREST DAMAGED</b> <u>8</u> 71	
				<b>CUSHION DAMAGED</b> <u>8</u> 73	
<b>SECOND SEAT DAMAGE</b> (0) NONE (1) BACKREST ONLY (DAMAGED OR LOOSENED) (2) CUSHION ONLY (DAMAGED OR LOOSENED) (3) BACKREST & CUSHION (DAMAGED OR LOOSENED) (4) INTEGRAL CHILD SEAT (PRIORITY CODE) (5) LUGGAGE AREA ACCESS PANEL (DAMAGED OR LOOSENED) (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 56	<u>0</u> 57	<b>VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS</b> (0) NOT EQUIPPED (OR REMOVED) (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE (NO REAR SEAT) (9) UNKNOWN <i>Applies to any rear-seat position</i>	
				<u>3-pr</u> <u>1</u> 75	

Duplicate columns 1-8  
from the previous card.

Module A B Format 0 1  
9 10 11 12

AIRBAG AB-1

<p>DRIVER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 13</p> <p><u>1</u> 14</p>	<p>PASSENGER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 16</p> <p><u>1</u> 17</p>
<p>CONDITION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p><u>0</u> 15</p>	<p>CONDITION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p><u>0</u> 18</p>
<p>DRIVER SIDE</p> <p>AIRBAG</p> <p>STEERING WHEEL</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 19</p> <p><u>1</u> 20</p>	<p>PASSENGER SIDE</p> <p>AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 21</p> <p><u>0</u> 22</p>



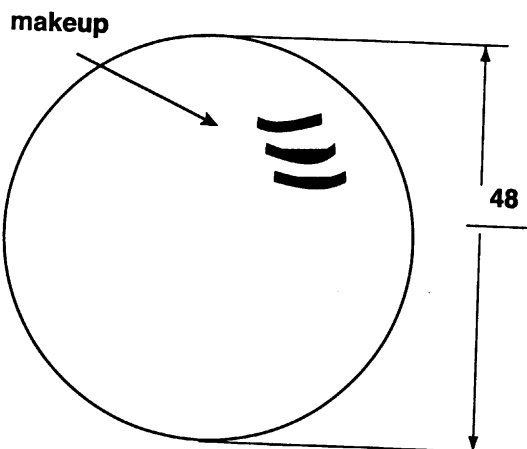
AIRBAG NUMBER ON DRIVER SIDE:

[REDACTED]

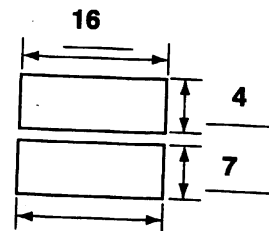
ASSEMBLED IN MEXICO  
WITH USA COMPONENT

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR

Driver Airbag



Driver Airbag Doors



H-Pattern

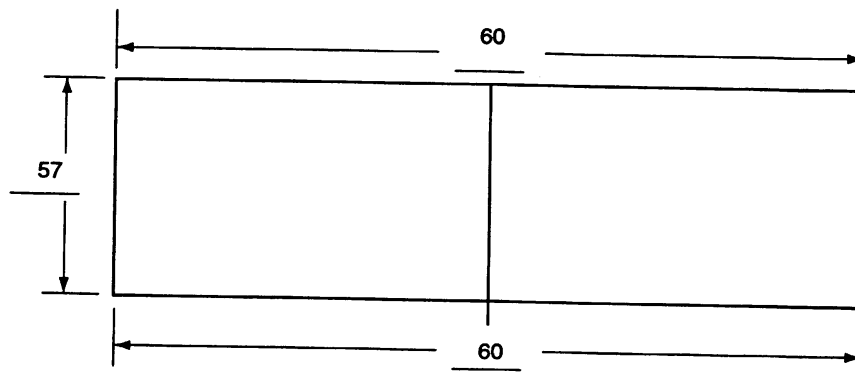
Vents: ☒ Y ☐ N  
if yes, how many: 2

Tethers: ☒ Y ☐ N  
if yes, how many: 1

AIRBAG NUMBER ON PASSENGER SIDE:

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR  
DAMAGE ON DIAGRAM BELOW:

NO  
VENTS



NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,  
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,  
ARE TO BE FILLED IN  
FOR EACH CASE VEHICLE OCCUPANT,  
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,  
USE ADDITIONAL COPIES  
OF PAGES OC-1, OC-2, OC-3,  
AND IC-2 TO DESCRIBE THEM  
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8  
from the previous card.Module 0 C Format 0 2  
9 10 11 12

## OCCUPANT INFORMATION OC-1

## OCCUPANT IDENTIFICATION

OCCUPANT NUMBER

01  
13 14

ROLE OF OCCUPANT AT 1ST IMPACT

- (1) MOTOR VEHICLE DRIVER  
(2) MOTOR VEHICLE PASSENGER  
(NOT DRIVER)  
(9) UNKNOWN

1  
15

## PHYSICAL DESCRIPTION

AGE IN YEARS

- (00) LESS THAN 1 YEAR  
(98) 98 YEARS OR OLDER  
(99) UNKNOWN

37  
20 21

AGE IN MONTHS

- (00) LESS THAN 1 MONTH  
(25) 25 MONTHS OR OLDER  
(99) UNKNOWN

25  
22 23

MASS (kg)

(999) UNKNOWN

150068  
24 25 26

HEIGHT (cm)

(999) UNKNOWN

5'5165  
27 28 29

SEX

- (1) MALE  
(2) FEMALE  
(9) UNKNOWN

2  
30

## OCCUPANT POSITION

ROW LOCATION

- (1) FRONT  
(2) SECOND  
(3) THIRD  
(4) FOURTH  
(7) OTHER: \_\_\_\_\_  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT (E.G. BED OF PICKUP)  
(9) UNKNOWN

1  
16

LATERAL LOCATION

- (1) LEFT  
(2) LEFT CENTER  
(3) CENTER  
(4) RIGHT CENTER  
(5) RIGHT  
(6) ALL (LYING ON SEAT)  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT  
(9) UNKNOWN

1  
17

POSTURE

- (10) SITTING ON SEAT  
(11) SITTING ON SEAT IN ABNORMAL  
POSITION (E.G. FEET ON DASH,  
SIDEWAYS)  
(12) SITTING ON CONSOLE  
(20) ON LAP OR IN ARMS  
(30) STANDING ON SEAT  
(40) STANDING ON FLOOR  
(47) STANDING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(50) IN BASSINET  
(60) IN CHILD SEAT  
(65) IN CHILD HARNESS  
(70) LYING ON SEAT  
(80) LYING/SITTING ON PASSENGER  
FLOOR  
(83) LYING/SITTING ON OTHER  
OBJECT IN PASSENGER  
COMPARTMENT: \_\_\_\_\_  
(85) ON CARGO FLOOR/FOLDED  
SEAT-BACK  
(87) LYING/SITTING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(97) OTHER: \_\_\_\_\_  
(99) UNKNOWN

10  
18 19

## MEDICAL CONDITIONS

TREATMENT/MORTALITY

- (00) NONE  
(01) FIRST AID AT SCENE  
(02) TREATED AT HOSPITAL/CLINIC  
BUT NOT ADMITTED  
(03) HOSPITALIZED FOR OBSERVATION  
LESS THAN 24 HOURS  
(04) HOSPITALIZED OVER 24 HOURS  
OR FOR SIGNIFICANT TREATMENT  
(05) FATAL, DEAD AT SCENE  
(06) FATAL, DOA  
(07) FATAL, DEAD WITHIN 24 HOURS  
(08) FATAL, DEAD 24 HOURS TO  
31 DAYS LATER  
(09) FATAL, DEAD 31 DAYS TO  
1 YEAR LATER  
(10) FATAL DEAD WITHIN UNKNOWN  
PERIOD  
(99) UNKNOWN

02  
31 32

INJURY SEVERITY SCORE (ISS)

(99) UNKNOWN

02  
33 34

NON-IMPACT MED. CONDITIONS

- (0) NONE  
(1) YES, TIME & TYPE UNKNOWN  
(2) PRE-CRASH FATAL (CLINICAL  
DEATH AT WHEEL)  
(3) PRE-CRASH NON-FATAL (E.G.  
PRIOR INJURY, STROKE)  
(4) PREGNANT  
(5) POST-CRASH FATAL (DROWNING)  
(6) POST-CRASH NON-FATAL INJURY  
(7) OTHER: \_\_\_\_\_  
(8) COMBINATION OF ABOVE  
(CIRCLE EACH)  
(9) UNKNOWN

0  
35

## OCCUPANT INFORMATION OC-2

## MEDICAL CONDITIONS (CONT.)

POLICE INJURY SEVERITY  
CODE FOR THIS OCCUPANT

- (0) O - NO INJURY  
 (1) C - POSSIBLE INJURY  
 (2) B - NON-INCAPACITATING  
 (3) A - INCAPACITATING INJURY  
 (4) K - FATAL  
 (5) INJURED, SEVERITY UNKNOWN  
 (6) DIED PRIOR TO IMPACT  
 (7) NON-FATAL INJURY,  
 SEVERITY UNKNOWN  
 (9) UNKNOWN

3  
36

## CHILD SEAT TYPE

- (00) NONE USED  
 (01) YES, USED  
 (02) INTEGRAL, Chrysler Mini-van  
 (88) NOT APPLICABLE  
 (ADULT OR OLDER CHILD)  
 (99) UNKNOWN

88  
41 42

## CHILD SEAT MAKE/MODEL

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## RESTRAINT SYSTEM

## ACTIVE RESTRAINT SYSTEM

- (0) NONE  
 (1) LAP BELT  
 (2) SHOULDER HARNESS ONLY  
 (3) BOTH LAP BELT &  
 SHOULDER HARNESS  
 (9) UNKNOWN

3  
37

## ACTIVE RESTRAINT SYSTEM USAGE

- (0) NONE (AVAILABLE BUT NOT USED)  
 (1) LAP BELT ONLY  
 (2) SHOULDER HARNESS ONLY  
 (3) BOTH LAP BELT &  
 SHOULDER HARNESS  
 (7) IMPROPER USAGE  
 (8) NOT APPLICABLE (NONE AVAILABLE)  
 (9) UNKNOWN

3  
38

## PASSIVE RESTRAINT SYSTEM

- (0) NONE  
 (1) AIRBAG INSTALLED  
 (2) PASSIVE UPPER TORSO  
 WITH KNEE BOLSTERS  
 (3) PASSIVE UPPER TORSO  
 WITHOUT KNEE BOLSTERS  
 (4) PASSIVE LAP & UPPER TORSO  
 (5) AIRBAG INSTALLED &  
 PASSIVE RESTRAINT  
 (7) OTHER: \_\_\_\_\_  
 (9) UNKNOWN

1  
39

## PASSIVE RESTRAINT SYSTEM USAGE

- (0) SYSTEM DEFEATED  
 (1) AIRBAG NOT DEPLOYED  
 (2) AIRBAG DEPLOYED  
 (3) AIRBAG NOT REINSTALLED  
 (4) PASSIVE UPPER TORSO USED  
 (5) PASSIVE LAP & UPPER TORSO USED  
 (6) SYSTEM USED IN MANUAL MODE  
 (7) IMPROPER USAGE  
 (8) NOT APPLICABLE (NOT ORIGINALLY  
 EQUIPPED)  
 (9) UNKNOWN

2  
40

## EJECTION

## DEGREE OF EJECTION

- (0) NONE  
 (1) PARTIAL  
 (2) COMPLETE  
 (7) EJECTED, DEGREE UNKNOWN  
 (9) UNKNOWN IF EJECTED

0  
43

## AREA OF EJECTION

- (01) WINDOW, LEFT SIDE  
 (02) WINDOW, RIGHT SIDE  
 (03) WINDOW, REAR  
 (04) DOOR, LEFT SIDE  
 (05) DOOR, RIGHT SIDE  
 (06) DOOR, REAR OR TAILGATE  
 (07) WINDSHIELD  
 (08) ROOF OR OPEN CONVERTIBLE OR  
 FROM EXTERNAL AREA  
 (96) EJECTED AREA UNKNOWN  
 (97) OTHER AREA: \_\_\_\_\_  
 (98) NOT APPLICABLE (NOT EJECTED)  
 (99) UNKNOWN IF EJECTED

98  
44 45

IF OCCUPANT WAS EJECTED, DESCRIBE  
IN DETAIL BELOW:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## HEAD RESTRAINT

HEAD RESTRAINT AVAILABLE  
FOR THIS POSITION

- (0) NOT EQUIPPED OR REMOVED  
 (1) EQUIPPED  
 (9) UNKNOWN

1  
46

## OCCUPANT INFORMATION OC-3

## OCCUPANT EYEWEAR

- (0) NONE
- (1) GLASSES
- (2) CONTACTS
- (3) BOTH GLASSES AND CONTACTS
- (4) OTHER \_\_\_\_\_
- (8) NOT APPLICABLE
- (9) UNKNOWN

0  
47

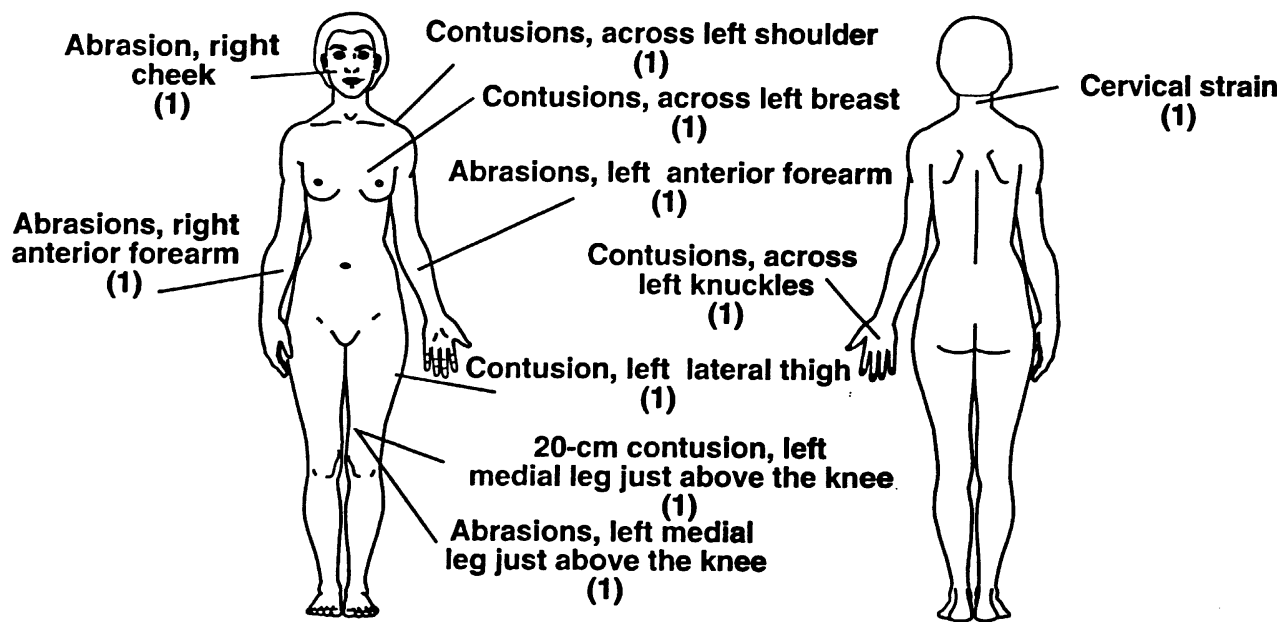
## SOURCE OF INFORMATION

- (0) 8 INTERVIEW
- (1) HOSPITAL
- (2) AUTOPSY
- (3) POLICE
- (4) OTHER \_\_\_\_\_
- (5) LAY CORONER/EXTERNAL EXAM
- (7) COMBINATION OF ABOVE (CIRCLE)
- (8) NOT APPLICABLE
- (9) UNKNOWN

7  
48

## OCCUPANT INFORMATION OC-4

INDICATE LOCATION OF INJURIES.



Duplicate columns 1-8  
from the previous card.

Module 1 C Format 0 1  
9 10 11 12

# INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

## OCCUPANT INJURY CLASSIFICATION

					PRIMARY OIC					ASSOCIATED OIC					COMMENTS
OCCUPANT NUMBER	INJURY NUMBER	PLACE CONTACTS IN ORDER OF PROBABILITY (HORIZONTALLY). START WITH MOST PROBABLE IN 1ST CONTACT AREA COLUMN.		AREA(S) OF POSSIBLE CONTACT 1ST 2ND	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	
		17-18	19-20												
13-14	15-16	17-18	19-20	COMMENTS	21	22	23	24	25	26	27	28	29	30	
01	01	98	--	FLING INTO IP or object	N	P	T	M	I	--	--	--	--	--	
	02	87	--		F	R	A	I	L	--	--	--	--	--	
	03	34	--		S	L	C	I	L	--	--	--	--	--	
	04	34	--		C	L	C	I	I	--	--	--	--	--	
	05	87	--		R	L	A	I	I	--	--	--	--	--	
	06	87	--		R	R	A	I	I	--	--	--	--	--	
	07	05	87		W	L	C	I	I	--	--	--	--	--	
	08	48	--		T	L	C	I	I	--	--	--	--	--	
	09	48	--		T	L	A	I	I	--	--	--	--	--	
	10	20	--		T	L	C	I	I	--	--	--	--	--	
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NOTE: USE ADDITIONAL PAGES IF NECESSARY.

## INJURY CLASSIFICATION IC-2

## CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

## FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, AC
- (68) ROOF MOUNTED CONTROLS/CONSOLES

## REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

## INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (*AIRBAG*)
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

## SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK

- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)

- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

## FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

## ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

## EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (E.G. *OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

## BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (E.G. *OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

## PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

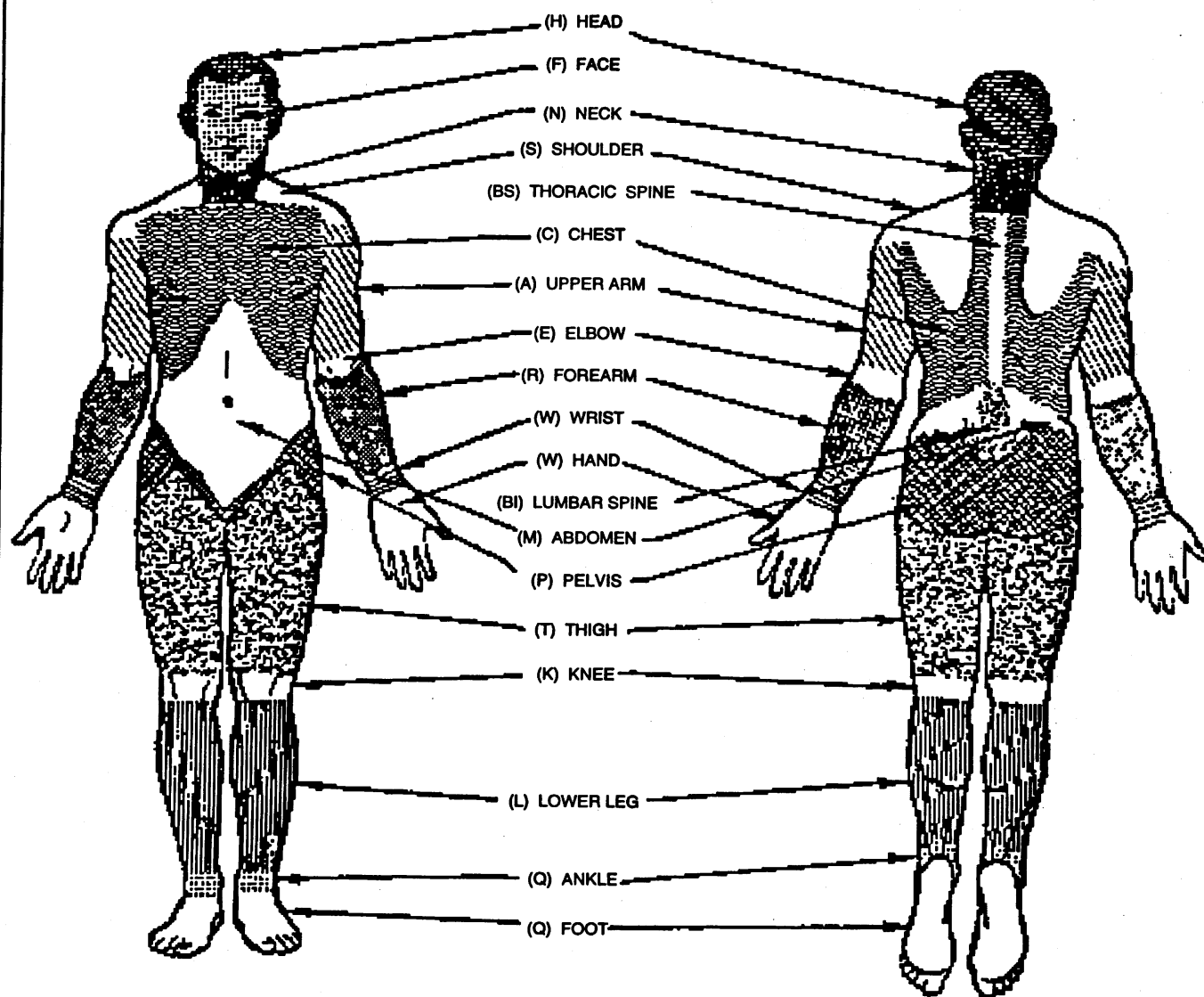
## MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (E.G. *FIRE. DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT



## INJURY CLASSIFICATION IC-3

THE FIGURE BELOW  
IS AN EXPLANATION OF THE BODY REGION CODES  
LISTED ON PAGE IC - 4.



## INJURY CLASSIFICATION IC-4

## CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

**1 BODY REGION**

(H) HEAD/SKULL  
 (F) FACE  
 (N) NECK  
 (S) SHOULDER  
 (X) UPPER EXTREMITIES  
 (A) ARM (*UPPER*)  
 (E) ELBOW  
 (R) FOREARM  
 (W) WRIST/HAND  
 (C) CHEST  
 (M) ABDOMEN  
 (B) BACK  
 (P) PELVIC/HIP  
 (Y) LOWER EXTREMITIES  
 (T) THIGH  
 (K) KNEE  
 (L) LEG (*LOWER*)  
 (Q) ANKLE/FOOT  
 (O) WHOLE BODY  
 (U) UNKNOWN

**3 LESION**

(L) LACERATION  
 (C) CONTUSION  
 (A) ABRASION  
 (F) FRACTURE  
 (P) PERFORATION,  
 PUNCTURE  
 (K) CONCUSSION  
 (V) AVULSION  
 (R) RUPTURE  
 (S) SPRAIN  
 (D) DISLOCATION  
 (N) CRUSH  
 (M) AMPUTATION  
 (B) BURN  
 (G) DETACHMENT,  
 SEPARATION  
 (Z) FRACTURE AND  
 DISLOCATION  
 (T) STRAIN  
 (E) TOTAL SEVERANCE,  
 TRANSECTION  
 (O) OTHER  
 (U) UNKNOWN

**4 SYSTEM/ORGAN**

(S) SKELETAL  
 (V) VERTEBRAE  
 (J) JOINTS  
 (D) DIGESTIVE  
 (L) LIVER  
 (N) NERVOUS SYSTEM  
 (B) BRAIN  
 (C) SPINAL CORD  
 (E) EARS  
 (O) EYES  
 (A) ARTERIES  
 (H) HEART  
 (Q) SPLEEN  
 (G) UROGENITAL  
 (K) KIDNEYS  
 (R) RESPIRATORY  
 (P) PULMONARY/LUNGS  
 (M) MUSCLES  
 (T) THYROID, OTHER  
 ENDOCRINE GLAND  
 (I) INTEGUMENTARY (*SKIN*)  
 (W) ALL SYSTEMS IN REGION  
 (U) UNKNOWN

**2 ASPECT**

(R) RIGHT  
 (L) LEFT  
 (B) BILATERAL  
 (C) CENTRAL  
 (A) ANTERIOR/FRONT  
 (P) POSTERIOR/BACK  
 (S) SUPERIOR/UPPER  
 (I) INFERIOR/LOWER  
 (W) WHOLE REGION  
 (U) UNKNOWN

BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY
1	2	3	4	5

**5 SEVERITY**  
(OR "AIS", ABBREVIATED INJURY SCALE)

(0) NONE  
 (1) MINOR  
 (2) MODERATE  
 (3) SERIOUS  
 (4) SEVERE  
 (5) CRITICAL  
 (6) MAXIMUM  
 (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.Module 0 0 Format 0 2  
9 10 11 12

## OCCUPANT INFORMATION OC-1

## OCCUPANT IDENTIFICATION

OCCUPANT NUMBER

02  
13 14

ROLE OF OCCUPANT AT 1ST IMPACT

- (1) MOTOR VEHICLE DRIVER  
(2) MOTOR VEHICLE PASSENGER  
(NOT DRIVER)  
(9) UNKNOWN

2  
15

## OCCUPANT POSITION

ROW LOCATION

- (1) FRONT  
(2) SECOND  
(3) THIRD  
(4) FOURTH  
(7) OTHER: \_\_\_\_\_  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT (E.G. BED OF PICKUP)  
(9) UNKNOWN

1  
16

LATERAL LOCATION

- (1) LEFT  
(2) LEFT CENTER  
(3) CENTER  
(4) RIGHT CENTER  
(5) RIGHT  
(6) ALL (LYING ON SEAT)  
(8) EXTERNAL TO PASSENGER  
COMPARTMENT  
(9) UNKNOWN

5  
17

POSTURE

- (10) SITTING ON SEAT  
(11) SITTING ON SEAT IN ABNORMAL  
POSITION (E.G. FEET ON DASH,  
SIDEWAYS)  
(12) SITTING ON CONSOLE  
(20) ON LAP OR IN ARMS  
(30) STANDING ON SEAT  
(40) STANDING ON FLOOR  
(47) STANDING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(50) IN BASSINET  
(60) IN CHILD SEAT  
(65) IN CHILD HARNESS  
(70) LYING ON SEAT  
(80) LYING/SITTING ON PASSENGER  
FLOOR  
(83) LYING/SITTING ON OTHER  
OBJECT IN PASSENGER  
COMPARTMENT: \_\_\_\_\_  
(85) ON CARGO FLOOR/FOLDED  
SEAT-BACK  
(87) LYING/SITTING, EXTERNAL TO  
PASSENGER COMPARTMENT  
(97) OTHER: \_\_\_\_\_  
(99) UNKNOWN

10  
18 19

## PHYSICAL DESCRIPTION

AGE IN YEARS

- (00) LESS THAN 1 YEAR  
(98) 98 YEARS OR OLDER  
(99) UNKNOWN

51  
20 21

AGE IN MONTHS

- (00) LESS THAN 1 MONTH  
(25) 25 MONTHS OR OLDER  
(99) UNKNOWN

25  
22 23

MASS (kg)

(999) UNKNOWN

190086  
24 25 26

HEIGHT (cm)

(999) UNKNOWN

5'6168  
27 28 29

SEX

- (1) MALE  
(2) FEMALE  
(9) UNKNOWN

2  
30

## MEDICAL CONDITIONS

TREATMENT/MORTALITY

- (00) NONE  
(01) FIRST AID AT SCENE  
(02) TREATED AT HOSPITAL/CLINIC  
BUT NOT ADMITTED  
(03) HOSPITALIZED FOR OBSERVATION  
LESS THAN 24 HOURS  
(04) HOSPITALIZED OVER 24 HOURS  
OR FOR SIGNIFICANT TREATMENT  
(05) FATAL, DEAD AT SCENE  
(06) FATAL, DOA  
(07) FATAL, DEAD WITHIN 24 HOURS  
(08) FATAL, DEAD 24 HOURS TO  
31 DAYS LATER  
(09) FATAL, DEAD 31 DAYS TO  
1 YEAR LATER  
(10) FATAL DEAD WITHIN UNKNOWN  
PERIOD  
(99) UNKNOWN

02  
31 32

INJURY SEVERITY SCORE (ISS)

(99) UNKNOWN

01  
33 34

NON-IMPACT MED. CONDITIONS

- (0) NONE  
(1) YES, TIME & TYPE UNKNOWN  
(2) PRE-CRASH FATAL (CLINICAL  
DEATH AT WHEEL)  
(3) PRE-CRASH NON-FATAL (E.G.  
PRIOR INJURY, STROKE)  
(4) PREGNANT  
(5) POST-CRASH FATAL (DROWNING)  
(6) POST-CRASH NON-FATAL INJURY  
(7) OTHER: \_\_\_\_\_  
(8) COMBINATION OF ABOVE  
(CIRCLE EACH)  
(9) UNKNOWN

0  
35

OCCUPANT INFORMATION OC-2					
<b>MEDICAL CONDITIONS (CONT.)</b>  POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT  (0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO IMPACT (7) NON-FATAL INJURY, SEVERITY UNKNOWN (9) UNKNOWN		<u>  3  </u>	<b>CHILD SEAT TYPE</b>  (00) NONE USED (01) YES, USED (02) INTEGRAL, Chrysler Mini-van (88) NOT APPLICABLE (ADULT OR OLDER CHILD) (99) UNKNOWN  <b>CHILD SEAT MAKE/MODEL</b>  <hr/> <hr/> <hr/>		<u>  88  </u> 41    42
<b>RESTRAINT SYSTEM</b>  <b>ACTIVE RESTRAINT SYSTEM</b>  (0) NONE (1) LAP BELT (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (9) UNKNOWN  <b>ACTIVE RESTRAINT SYSTEM USAGE</b>  (0) NONE (AVAILABLE BUT NOT USED) (1) LAP BELT ONLY (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (7) IMPROPER USAGE (8) NOT APPLICABLE (NONE AVAILABLE) (9) UNKNOWN  <b>PASSIVE RESTRAINT SYSTEM</b>  (0) NONE (1) AIRBAG INSTALLED (2) PASSIVE UPPER TORSO WITH KNEE BOLSTERS (3) PASSIVE UPPER TORSO WITHOUT KNEE BOLSTERS (4) PASSIVE LAP & UPPER TORSO (5) AIRBAG INSTALLED & PASSIVE RESTRAINT (7) OTHER: _____ (9) UNKNOWN  <b>PASSIVE RESTRAINT SYSTEM USAGE</b>  (0) SYSTEM DEFEATED (1) AIRBAG NOT DEPLOYED (2) AIRBAG DEPLOYED (3) AIRBAG NOT REINSTALLED (4) PASSIVE UPPER TORSO USED (5) PASSIVE LAP & UPPER TORSO USED (6) SYSTEM USED IN MANUAL MODE (7) IMPROPER USAGE (8) NOT APPLICABLE (NOT ORIGINALLY EQUIPPED) (9) UNKNOWN		<u>  3  </u> 37	<b>EJECTION</b>  <b>DEGREE OF EJECTION</b>  (0) NONE (1) PARTIAL (2) COMPLETE (7) EJECTED, DEGREE UNKNOWN (9) UNKNOWN IF EJECTED  <b>AREA OF EJECTION</b>  (01) WINDOW, LEFT SIDE (02) WINDOW, RIGHT SIDE (03) WINDOW, REAR (04) DOOR, LEFT SIDE (05) DOOR, RIGHT SIDE (06) DOOR, REAR OR TAILGATE (07) WINDSHIELD (08) ROOF OR OPEN CONVERTIBLE OR FROM EXTERNAL AREA (96) EJECTED AREA UNKNOWN (97) OTHER AREA: _____ (98) NOT APPLICABLE (NOT EJECTED) (99) UNKNOWN IF EJECTED		<u>    0    </u> 43
		<u>  3  </u> 38	IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:  <hr/> <hr/> <hr/>		<u>  98  </u> 44    45
		<u>  1  </u> 39			
		<u>  2  </u> 40	<b>HEAD RESTRAINT</b>  <b>HEAD RESTRAINT AVAILABLE FOR THIS POSITION</b>  (0) NOT EQUIPPED OR REMOVED (1) EQUIPPED (9) UNKNOWN		<u>    1    </u> 46

OCCUPANT INFORMATION OC-3

OCCUPANT EYEWEAR

- (0) NONE
- (1) GLASSES
- (2) CONTACTS
- (3) BOTH GLASSES AND CONTACTS
- (4) OTHER \_\_\_\_\_
- (8) NOT APPLICABLE
- (9) UNKNOWN

1  
47

FLW OFF  
NOT BROKEN

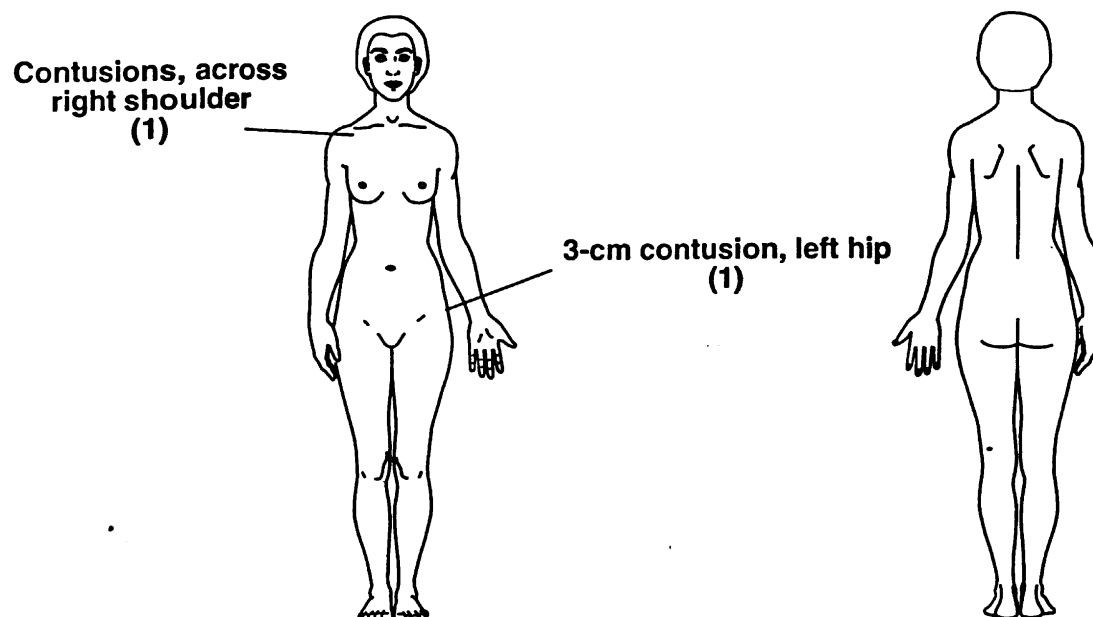
SOURCE OF INFORMATION

- (0) INTERVIEW
- (1) HOSPITAL
- (2) AUTOPSY
- (3) POLICE
- (4) OTHER \_\_\_\_\_
- (5) LAY CORONER/EXTERNAL EXAM
- (7) COMBINATION OF ABOVE (CIRCLE)
- (8) NOT APPLICABLE
- (9) UNKNOWN

7  
48

OCCUPANT INFORMATION OC-4

INDICATE LOCATION OF INJURIES.



Duplicate columns 1-8  
from the previous card.

Module 1 C Format 0 1  
9 10 11 12

# INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

## OCCUPANT INJURY CLASSIFICATION

					PRIMARY OIC					ASSOCIATED OIC					COMMENTS
OCCUPANT NUMBER	INJURY NUMBER	PLACE CONTACTS IN ORDER OF PROBABILITY (HORIZONTALLY). START WITH MOST PROBABLE IN 1ST CONTACT AREA COLUMN.		AREA(S) OF POSSIBLE CONTACT 1ST 2ND	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	
		1ST	2ND												
13-14	15-16	17-18	19-20	COMMENTS	21	22	23	24	25	26	27	28	29	30	
<u>02</u>	<u>01</u>	<u>34</u>	--		S	R	C	I	L	--	--	--	--	--	
<u>02</u>	<u>33</u>	--	P		L	C	I	L	--	--	--	--	--		
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NOTE: USE ADDITIONAL PAGES IF NECESSARY.

## INJURY CLASSIFICATION IC-2

## CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

## FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) & OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

## REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

## INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) — TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (*AIRBAG*)
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

## SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

## FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

## ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) & OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

## EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

## BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

## PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

## MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (*E.G. FIRE. DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT



Case No.: 19400  
Date/Veh. ID: 1998 Toyota  
Type: Camry LE, 4-door sedan  
Driver: 38-year-old female  
Veh. ID: 1998 Lincoln Town Car, 4-door sedan  
Veh. ID: 1986 Ford Thunderbird LE, 2-door sedan

Weather: Clear  
Road Surface: Dry  
Road Construction: Asphalt  
Light Condition: Daylight





PN 19400 #2



**PN 19400 #3**  
**Best Available**



PN 19400 #4



**PN 19400-85**  
**Best Available**



PN 19400 #6  
Best Available



**PN 19400 #7**  
**Best Available**



PN 19400 #8





**PN 19400 #9**  
**Best Available**



PN 19400 #10



PN 19400 #11



PN 19400 #12



PN 19400#13



PN 19400 #14



PN 19400#15



PN 19400 #16





PN 19400#17



PN 19400#18



**PN 19400 #19**



PN 19400 #20



PN 19400 #21



PN 19400#22



PN 19400#23



PN 19400 #24





PN 19400 #25



PN 19400 #26



PN 19400 #27



PN 19400 #28



PN 19400 #29



PN 19400 #30



PN 19400 #31



PN 19400 #32





PN 19400 #33



PN 19400 #34



PN 19400 #35



PN 19400 #38



PN 19400 #37



PN 19400 #38



PN 18400 #38

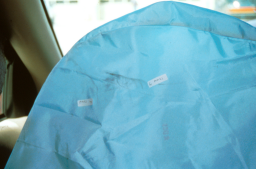


PN 19400 #40





PN 19400 #41



PN 19400 #42



PN 19400 #43



PN 19400 #44



PN 19400 #45



PN 19400 #46



PN 19400 #47

CASE NO.: 194-09

CASE VEHICLE: 1998 Toyota

TYPE: Garvey LB, labor union

OCCUPANT: (Driver) 37-year-old female

STATUS: 165 cm (5' 5"), 56 kg (123 lb)

RESTRAINTS: 2-point seat worn, airbag deployed

SEVERITY: MAIS - 1      ISS - 2





CASE NO.: 194-00

CASE VEHICLE: 1998 Toyota

TYPE: Crossover, 4-door sedan

OCCUPANT (Right front) 51-year old female

STATURE: 168 cm (5' 6", 4' 10") MASS: 65 kg (144 lbs)

RESTRAINTS: 3-point seat belt, airbag deployed

SEVERITY: MAJOR I, MINOR I, II

Contusions, abrasions,  
right shoulder  
(1)

2-cm contusion, left hip  
(1)

